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**TARIFF LEVELS AND  
THE ECONOMIC UNITY  
OF EUROPE**

**TARIFF LEVELS AND  
THE ECONOMIC UNITY  
OF EUROPE**

**AN EXAMINATION OF  
TARIFF POLICY, EXPORT MOVEMENTS  
AND THE ECONOMIC INTEGRATION OF  
EUROPE, 1913-1931**

**BY**

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**WITH AN INTRODUCTION BY  
SIR WALTER LAYTON**

**TRANSLATED FROM THE GERMAN BY  
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## FOREWORD

By Sir WALTER LAYTON

DURING the past two decades rapid and far-reaching changes have been taking place in the character and distribution of the world's trade. The Great War itself shut off many nations from the outside world and threw them on their own resources, while the economic activity of the rest of the world, which until that time had been mainly focussed upon Europe, was violently interrupted and thrown out of gear. No country, for example, was immune from the effect of the famine of ships. In general, the results were similar to those which would have followed the sudden imposition of a régime of extreme protection. Some of these effects would in any case have been lasting, but subsequent developments have tended to create fresh disturbances rather than to restore the pre-War state of things. The export of machinery from old countries and the general extension of technical knowledge has created new centres of industry; the oil age has challenged the dominance of coal in international commerce; science has destroyed Chili's nitrate monopoly; artificial silk factories in the Orient have undermined Lancashire's supremacy. The world had in any case to adjust itself to these new conditions.

It is, however, a commonplace that these changes have not been left to work themselves out under a régime of unrestricted competition. On the contrary, all the governments of the world have intervened in an attempt to mould and control the development of their own economies. Economic nationalism has been carried to a pitch unknown for many decades before the War and has played a most important part in bringing about a highly unsatisfactory and dangerous state of general politics.

Yet, in spite of the political as well as the economic importance of tariff policy and its close connection with the peace of the world, there have been surprisingly few attempts to make factual studies of tariffs or to trace their effects upon the actual course of trade. Dr. Liepmann's book is an important addition to the very limited literature on the subject.

Much the most important attempt to survey the tariff situation and to examine its effects was made in the extensive documentation prepared for the World Economic Conference of 1927. And one of the most interesting and ambitious of the studies then made was the attempt of the Secretariat of the League of Nations to calculate a quantitative estimate of the level of the chief tariffs of the world.

## 6 TARIFFS AND THE ECONOMIC UNITY OF EUROPE

This estimate, which was a lengthy and laborious computation and when made was subject to considerable defects of interpretation, has never been repeated by the Secretariat of the League. But students in various countries have submitted the methods then adopted to critical examination and some attempts have been made to produce calculations for later years. One of the most interesting parts of Dr. Liepmann's book is his calculation of the potential and actual tariff level of a number of the countries of Europe for several years ending in 1931, when the break-down of the gold standard threw international trading relations once more into the melting-pot.

Dr. Liepmann's book, however, is by no means only a statistical study, for he has supplemented his calculations by a detailed realistic examination of the trade of the countries of Europe and of changes in the distribution of the exports of each nation. Though this examination is long and detailed, it is a necessary preliminary to understanding the economic changes that are taking place in Europe.

His exposition will no doubt be subjected to criticism in detail and indeed, in an attempt to focus attention on the effect of tariffs, there is almost inevitably a danger that the picture presented may be incomplete. For example, in the case of Great Britain during the nineteen-twenties the protected industries showed a very rapid growth which was in sharp contrast to the experience of the old-established and unprotected industries; but as the former include the artificial silk and motor industries, while the latter include cotton, wool, coal, iron and steel, shipbuilding, etc., the contrast is not mainly or even primarily to be attributed to our tariffs. Again, Dr. Liepmann's study, particularly in relation to recent years, inevitably brings out the very harmful effects which our statistically moderate tariff has produced on many of the nations of Europe. This damage is undoubted; but if the story, as told by him gives an impression of great ruthlessness, there is more than one side to this question.

Dr. Liepmann's primary object, however, is not to pass judgment, but to present material for forming an opinion. This he has achieved with great care and skill, and by so doing has produced a book that will be of real value not only to economic students, but to all who wish to understand the economic problems which are so closely interwoven with the politics of the world of to-day.

*February 1938.*

## PREFACE

THIS book was written in the years 1932-35. The manuscript was completed in February 1936. The work was planned for the series: *Zum wirtschaftlichen Schicksal Europas*, Part I: *Arbeiten zur europäischen Problematik*, edited by Alfred Weber. This series was published with the assistance of the *Rockefeller Foundation*. Unexpected difficulties have postponed the publication of the study until to-day, so that it only now appears in an English translation.

Although all the figures in the concluding chapter about the economic development of Europe in 1934-35 are already part of the economic history of Europe, yet the consequences of European protectionist commercial policy, especially since 1929, and all its dangers, which these figures were intended to illustrate, still persist. Owing substantially to public works and growing rearmaments we are witnessing "national recoveries" in many countries, financed by swelling debts. At the same time, however, the development of world trade remains unsatisfactory. The doubts recorded at the beginning of 1936 regarding the stability of such prosperity are justified even to-day. I have therefore allowed the statistics and conclusions of the last chapter to stand in the form in which they appear in this book.

I desire to express my gratitude to Professor *Alfred Weber* of Heidelberg, at whose instigation the study was undertaken, for his friendly advice and assistance in overcoming many difficulties, and my indebtedness to Sir *Walter Layton* and to Mr. *G. K. Logie*, the former for his Introduction and the latter for his constructive criticism of the book in proof.

HEINRICH LIEPMANN.

LONDON, 1937.

# CONTENTS

	PAGE
FOREWORD . . . . .	5
PREFACE . . . . .	7

## PART I

### OBJECTS, METHODS AND LIMITS OF THE INVESTIGATION

#### CHAPTER

I. THE OBJECTS OF THE INQUIRY . . . . .	17
II. THE METHODS OF THE INVESTIGATION . . . . .	20
<i>a.</i> Tariffs.	
<i>b.</i> The Selection of Goods and the Conception of the "Potential Tariff Level."	
<i>c.</i> The Averages.	
<i>d.</i> The Prices.	
<i>e.</i> The Duty Rates.	
<i>f.</i> The "Actual Tariff Levels" and the Economic Integra- tion of Europe.	
III. THE LIMITS OF THE INQUIRY . . . . .	31
<i>a.</i> Inherent Difficulties of Methods.	
<i>aa.</i> Selection of Goods and Structure of Custom Tariffs.	
<i>bb.</i> The Problem of Price Data.	
<i>cc.</i> The Problem of the Averages.	
<i>dd.</i> The Problem of Comparisons.	
<i>b.</i> Decreasing Importance of Tariffs in the System of European post-War Trade Policy.	

## PART II

### OUTLINES OF EUROPEAN TARIFF POLICY AND DEVELOPMENT OF POTENTIAL TARIFF LEVELS BETWEEN 1913 AND 1931. (SEE TABLES AI AND AII OF APPENDIX.)

I. INDUSTRIAL AND AGRARIAN STATES, AGRARIAN AND INDUS- TRIAL TARIFFS IN EUROPE . . . . .	45
II. STRUCTURE AND ARRANGEMENT OF THE GENERAL GOODS LIST (A-LIST) . . . . .	49



## CONTENTS

9

CHAPTER	PAGE
<b>III. OUTLINES OF EUROPEAN AGRARIAN TARIFF POLICY AND DEVELOPMENT OF POTENTIAL AGRARIAN TARIFF LEVELS, 1913-1931</b> . . . . .	56
<b>A. Industrial (Central) Europe.</b>	
Preliminary Remark: The Centres of European Agrarian Imports.	
1. Germany . . . . .	56
2. France . . . . .	65
3. Italy . . . . .	69
4. Belgium . . . . .	73
5. Switzerland. . . . .	76
6. Austria . . . . .	79
7. Czechoslovakia . . . . .	82
<b>B. Agrarian (Border) Europe.</b>	
Preliminary Remark: Foodstuff—and Raw Material—Countries in Agrarian Europe.	
1. Sweden . . . . .	85
2. Finland . . . . .	88
3. Poland . . . . .	90
4. Roumania . . . . .	93
5. Hungary . . . . .	95
6. Yugoslavia . . . . .	96
7. Bulgaria . . . . .	98
8. Spain . . . . .	99
<b>C. General Tendencies in the Agrarian Tariff Policy of post-War Europe compared with 1913. (See graph A and Table IVA of Appendix)</b> . . . . .	102
<b>IV. OUTLINES OF EUROPEAN INDUSTRIAL TARIFF POLICY AND DEVELOPMENT OF POTENTIAL INDUSTRIAL TARIFF LEVELS BETWEEN 1913 AND 1931</b> . . . . .	111
Preliminary Remark: Industrial and Agrarian Countries of Europe as Markets for Industrial Products.	
<b>A. Industrial (Central) Europe.</b>	
1. Germany . . . . .	113
2. France . . . . .	120
3. Italy . . . . .	126
4. Great Britain . . . . .	131
5. Belgium . . . . .	133
6. Switzerland. . . . .	136
7. Austria . . . . .	140
8. Czechoslovakia . . . . .	143
<b>B. Agrarian (Border) Europe.</b>	
Preliminary Remark: Differences in the Industrial Receptivity of the Agrarian Countries of Europe.	
1. Sweden . . . . .	147
2. Finland . . . . .	150
3. Poland . . . . .	153

## 10 TARIFFS AND THE ECONOMIC UNITY OF EUROPE

CHAPTER	PAGE
4. Roumania . . . . .	157
5. Hungary . . . . .	162
6. Yugoslavia . . . . .	166
7. Bulgaria . . . . .	169
8. Spain . . . . .	173
C. General tendencies of European Industrial Tariff Policy before and after the War. (See graphs B, C and Table IVA of Appendix) . . . . .	178

### PART III

## ACTUAL TARIFF LEVELS IN EUROPE, 1913-1931.

(See Tables BI-IV of Appendix.)

I. DETAILS OF THE METHODS OF CALCULATING ACTUAL TARIFF LEVELS . . . . .	189
II. OUTLINES OF THE ECONOMIC INTEGRATION OF EUROPE . . . . .	192
III. LIMITS OF THE TEXTUAL ANALYSIS OF THE ACTUAL TARIFF LEVELS . . . . .	199
IV. ACTUAL TARIFF LEVELS FOR THE EXPORTS OF INDUSTRIAL EUROPE . . . . .	201
1. <i>Germany</i> and the Tariffs in Europe . . . . .	201
a. Composition and Value of German Exports.	
b. Geographical Distribution of German Exports.	
c. Actual Tariff Levels of the chief Markets of Germany:	
I. <i>Germany and Industrial Europe</i> .—(aa) Germany and Great Britain, (bb) Germany and France, (cc) Germany and Italy, (dd) Germany and Belgium, (ee) Germany and Switzerland, (ff) Germany and Austria, (gg) Germany and Czechoslovakia.	
II. <i>Germany and Agrarian Europe</i> .—(aa) Germany and the Netherlands, (bb) Germany and the Scandinavian States, (cc) Germany and the Baltic States, (dd) Germany and Poland, (ee) Germany and the European South-East, (ff) Germany and the Mediterranean States.	
d. General trend of German Exports, 1913-1934.	
2. <i>Great Britain</i> and the Tariffs in Europe . . . . .	227
a. Composition of English Exports.	
b. Geographical Distribution of English Exports.	
c. Actual Tariff Levels of the chief Markets of Great Britain:	
I. <i>England and Industrial Europe</i> .—(aa) England and Germany, (bb) England and France, (cc) England and Italy, (dd) England and Belgium.	
II. <i>England and Agrarian Europe</i> .—(aa) England and the Netherlands, (bb) England and the North European Countries, (cc) England and Spain,	

## CONTENTS

II

- (dd) England and Poland, (ee) England and the South-Eastern States, (ff) England and the Mediterranean States (Greece and Portugal).
- d. General trend of English Exports, 1913-1934.
3. *France and the Tariffs in Europe* . . . . . 241
- a. Composition of French Exports.
- b. Geographical Distribution of French Exports.
- c. Actual Tariff Levels of the chief Markets of France:
- I. *France and Industrial Europe*.—(aa) France and Great Britain, (bb) France and Belgium, (cc) France and Germany, (dd) France and Switzerland, (ee) France and Italy.
- II. *France and Agrarian Europe*.—(aa) France and Spain, (bb) France and the remainder of Border Europe.
- d. General trend of French Exports, 1913-1934.
4. *Italy and the Tariffs in Europe* . . . . . 254
- a. Composition of Italian Exports.
- b. Geographical Distribution of Italian Exports.
- c. Actual Tariff Levels of the chief Markets of Italy:
- I. *Italy and Industrial Europe*.—(aa) Italy and Germany, (bb) Italy and Great Britain, (cc) Italy and Switzerland, (dd) Italy and France, (ee) Italy and Austria-Hungary (1927-1931: Austria and Czechoslovakia).
- II. *Italy and Agrarian Europe*.—(aa) Italy and the South-Eastern States, (bb) Italy and Greece.
- d. General trend of Italian Exports, 1913-1934.
5. *Belgium and the Tariffs in Europe* . . . . . 263
- a. Composition of Belgian Exports.
- b. Geographical Distribution of Belgian Exports.
- c. Actual Tariff Levels of the chief Markets of Belgium:
- I. *Belgium and Industrial Europe*.—(aa) Belgium and Germany, (bb) Belgium and France, (cc) Belgium and Great Britain.
- II. *Belgium and Agrarian Europe*.—(aa) Belgium and the Netherlands.
- d. General trend of Belgian Exports, 1913-1934.
6. *Switzerland and the Tariffs in Europe* . . . . . 269
- a. Composition of Swiss Exports.
- b. Geographical Distribution of Swiss Exports.
- c. Actual Tariff Levels of the chief Markets of Switzerland:
- I. *Switzerland and Industrial Europe*.—(aa) Switzerland and Germany, (bb) Switzerland and Great Britain, (cc) Switzerland and France, (dd) Switzerland and Italy, (ee) Switzerland and Austria-Hungary (1927-1931: Austria, Czechoslovakia).
- II. General remark on the duties on Swiss Exports imposed by the States of Agrarian Europe.
- d. General trend of Swiss Exports, 1913-1934.

## 12 TARIFFS AND THE ECONOMIC UNITY OF EUROPE

CHAPTER	PAGE
7. <i>Austria</i> and the Tariffs in Europe . . . . .	277
a. Composition of Austrian Exports.	
b. Geographical Distribution of Austrian Exports.	
c. Actual Tariff Levels of the chief Markets of Austria:	
I. <i>Austria and Industrial Europe</i> .—(aa) Austria and Germany, (bb) Austria and Czechoslovakia, (cc) Austria and Italy, (dd) Austria and Switzerland.	
II. <i>Austria and Agrarian Europe</i> .—(aa) Austria and Hungary, (bb) Austria and Yugoslavia, (cc) Austria and Roumania, (dd) Austria and Poland.	
d. General trend of Austrian Exports, 1927–1934.	
8. <i>Czechoslovakia</i> and the Tariffs in Europe . . . . .	285
a. Composition of Czech Exports.	
b. Geographical Distribution of Czech Exports.	
c. Actual Tariff Levels of the chief Markets of Czechoslovakia:	
I. <i>Czechoslovakia and Industrial Europe</i> .—(aa) Czechoslovakia and Germany, (bb) Czechoslovakia and Austria, (cc) Czechoslovakia and Great Britain.	
II. <i>Czechoslovakia and Agrarian Europe</i> .—(aa) Czechoslovakia and Hungary, (bb) Czechoslovakia and Yugoslavia, (cc) Czechoslovakia and Roumania.	
d. General trend of Czech Exports, 1927–1934.	
V. ACTUAL TARIFF LEVELS FOR THE EXPORTS OF AGRARIAN EUROPE . . . . .	295
Preliminary Remark: Differences in Composition and Destination between the Exports from Agrarian and Industrial Europe.	
1. <i>Denmark and Holland</i> and the Tariffs in Europe . . . . .	296
a. Composition of Danish and Dutch Exports.	
b. Geographical Distribution of Danish and Dutch Exports.	
c. Actual Tariff Levels of the chief Markets of Denmark and Holland:	
A. Actual Tariff Levels of the chief Markets of Denmark.—(aa) Denmark and Great Britain, (bb) Denmark and Germany.	
B. Actual Tariff Levels of the chief Markets of the Netherlands.—(aa) The Netherlands and Germany, (bb) The Netherlands and Great Britain, (cc) Holland and Belgium, (dd) Holland and France.	
d. General trend of Danish and Dutch Exports, 1913–1934.	
2. <i>Sweden, Norway, Finland</i> and the Tariffs in Europe . . . . .	304
a. Composition of Swedish, Norwegian and Finnish Exports.	
b. Geographical Distribution of Swedish, Norwegian and Finnish Exports.	
c. Actual Tariff Levels of the chief Markets of Sweden, Norway and Finland:	
(aa) Great Britain as a Market for Sweden, Norway,	

	and Finland, ( <i>bb</i> ) Germany as a Market for Sweden, Norway, and Finland, ( <i>cc</i> ) Sweden, Norway, and Finland and the rest of Europe.	
	<i>d.</i> General trend of Swedish, Norwegian, and Finnish Exports, 1913-1934.	
3.	The <i>Baltic States</i> and the Tariffs in Europe . . . . .	312
	<i>a.</i> Composition of Baltic Exports.	
	<i>b.</i> Geographical Distribution of Baltic Exports.	
	<i>c.</i> Actual Tariff Levels of the chief Markets of the Baltic countries.	
	<i>d.</i> General trend of Baltic Exports, 1927-1934.	
4.	<i>Poland</i> and the Tariffs in Europe . . . . .	315
	<i>a.</i> Composition of Polish Exports.	
	<i>b.</i> Geographical Distribution of Polish Exports.	
	<i>c.</i> Actual Tariff Levels of the chief Markets of Poland:	
	I. <i>Poland and Industrial Europe</i> .—( <i>aa</i> ) Poland and Germany, ( <i>bb</i> ) Poland and Great Britain, ( <i>cc</i> ) Poland and the Tariffs of Austria and Czechoslovakia.	
	II. <i>Poland and Border Europe</i> .	
	<i>d.</i> General trend of Polish Exports, 1927-1934.	
5.	The <i>South-Eastern States</i> and the Tariffs in Europe . . . . .	321
	<i>a.</i> Composition of the Exports of the South-Eastern States.	
	<i>b.</i> Geographical Distribution of the Exports of the South-Eastern States.	
	<i>c.</i> Actual Tariff Levels of the chief Markets of the South-Eastern States:	
	I. <i>South-Eastern States and Industrial Europe</i> .—( <i>aa</i> ) South-Eastern States and Germany, ( <i>bb</i> ) South-Eastern States and Austria, ( <i>cc</i> ) South-Eastern States and Czechoslovakia, ( <i>dd</i> ) South-Eastern States and Italy, ( <i>ee</i> ) South-Eastern States and France, ( <i>ff</i> ) South-Eastern States and Great Britain.	
	II. <i>South-Eastern States and Agrarian Europe</i> .	
	<i>d.</i> General trend of the Exports of the South-Eastern States, 1913-1934.	
6.	The <i>Mediterranean Border States</i> and the Tariffs in Europe . . . . .	332
	<i>a.</i> Composition of the Exports of the Mediterranean Border States.	
	<i>b.</i> Geographical Distribution of the Exports of the Mediterranean Border States.	
	<i>c.</i> Actual Tariff Levels of the chief Markets of the Mediterranean Border States:	
	( <i>aa</i> ) Great Britain as a Market for the three countries, ( <i>bb</i> ) France as a Market for the three countries, ( <i>cc</i> ) Germany as a Market for the three countries, ( <i>dd</i> ) Italy as a Market for Greece.	
	<i>d.</i> General trend of the Exports of the three countries, 1913-1934.	

## 14 TARIFFS AND THE ECONOMIC UNITY OF EUROPE

CHAPTER	PAGE
VI. SUMMARY: THE ECONOMIC INTEGRATION OF EUROPE UP TO 1931 AS AFFECTED BY EUROPEAN TARIFFS. (SEE TABLES BI-IV, IVA, B, OF APPENDIX) . . . . .	340
1. The Period of Reconstruction (1925-1929).	
2. The Period of Destruction (1929-1931).	
VII. TENDENCIES AND DANGERS OF EUROPEAN POST-WAR TARIFF POLICY . . . . .	346
1. Outlines of European post-War Tariff Policy . . . . .	347
a. Course of Development up to the outbreak of the World Economic Crisis (1929).	
b. The course of Events in 1930 and 1931.	
c. The course of Events in the recent Past (1932-1935).	
d. The result of the European Trade Policy of 1932-1935.	
2. Decisive Factors of European post-War Tariff Policy . . . . .	359
Preliminary Remark: The Gulf between Theory and Practice.	
a. Differences in Costs of Production as causes of Tariff Policy.	
b. Monetary Factors as causes of Tariff Policy.	
c. Population Problems as causes of Tariff Policy.	
d. Military Factors as causes of Tariff Policy.	
e. Fiscal Needs as causes of Tariff Policy.	
3. The Dangers of European Protectionism . . . . .	367
Preliminary Remark: Protectionism from the standpoint of Free Trade and the Theory of Location of Industries.	
a. Lowering of the Standard of Life.	
b. Destruction of the Economic Location of Production.	
c. Empire and Regional Tendencies in Europe.	
d. Protectionism and War.	
APPENDIX—TABLES AND GRAPHS OF POTENTIAL AND ACTUAL TARIFF LEVELS AND OF FOREIGN TRADE RELATIONS OF THE EUROPEAN STATES . . . . .	383
BIBLIOGRAPHY . . . . .	416
INDEX . . . . .	421

## APPENDIX

### EXPLANATION OF TABLES AND GRAPHS

1. In the Tables AI, AII, BI-IV, each year is shown with two rows of figures, which indicate the lowest and highest limits of the tariff levels of the classes or groups of goods in question. (Comp. p. 33 of text.)
2. An "fr" in Tables AI and AII signifies that the goods in question were on the free list.
3. An "I" in Tables AII and BI-IV signifies that for various reasons comparative figures could not be calculated in respect of the goods in question.
4. When a class of goods or a whole group (A, B, C) in Tables BI-IV is shown without figures, it means that the actual imports in the cases concerned have been insignificant. (Comp. pp. 89-90 of text.)
5. The index figures in Tables BI-IV in front of the tariff level figures indicate the number of goods the duties on which could be included for computing the tariff levels in question. (Comp. p. 226, Table D, of text.)
6. Three graphs have been made to show the potential tariff levels of 15 countries in 1913, 1927, and 1931 respectively. They are indicated by the three columns for each country. (Graph A, tariff levels for food-stuffs; graph B, tariff levels for semi-manufactured goods; graph C, tariff levels for manufactured goods.) (Comp. p. 102 of text.)

TABLE A1: POTENTIAL TARIFF LEVELS OF  
GERMANY  
(In % of Prices)

Group of Goods	1913		1927		1931	
<b>A. Foodstuffs:</b>						
I. Cereals and flour . . . . .	27.0	28.0	28.4	28.4	186.0	186.0
II. Live-stock . . . . .	11.5	14.6	19.3	35.2	41.0	63.0
III. Animal foodstuffs . . . . .	*19.0	19.0	20.0	21.0	28.0	29.0
IV. Fruit and vegetables . . . . .	19.0	20.0	11.0	20.0	12.0	24.0
V. Other foodstuffs . . . . .	30.0	30.0	45.0	46.0	128.0	129.0
Average of I-V = average of A <sup>1</sup> . . . . .	21.3	22.3	24.7	30.0	79.0	86.0
VI. Alcoholic drinks and tobacco . . . . .	58.0	64.0	54.0	63.0	76.0	103.0
Average of I-VI = average of A <sup>2</sup> . . . . .	27.4	29.3	29.6	35.6	78.5	89.0
<b>B. Semi-manufactured goods:</b>						
I. Textiles . . . . .	7.6	14.4	6.1	15.0	9.2	19.6
II. Timber, paper, cork . . . . .	21.0	21.0	15.0	24.5	13.0	21.0
III. Metals . . . . .	14.0	17.5	13.0	22.0	15.0	27.0
IV. Chemicals . . . . .	10.4	17.0	7.6	12.8	39.0	43.5
V. Mineral oils . . . . .	19.1	28.5	54.0	54.0	265.0	450.0
Average of I-IV = average of B <sup>1</sup> . . . . .	13.2	17.5	10.4	18.6	19.0	27.8
Average of I-V = average of B <sup>2</sup> . . . . .	14.4	19.7	19.1	25.7	66.0	120.0
<b>C. Manufactured industrial goods:</b>						
I. Textiles . . . . .	10.0	14.5	21.0	43.0	26.0	45.0
II. Paper . . . . .	17.5	17.5	12.1	12.1	15.8	15.8
III. Glass, china, cement . . . . .	14.0	14.0	20.0	20.0	16.5	16.5
IV. Metal goods . . . . .	6.7	13.0	9.5	15.0	12.5	18.5
V. Machines . . . . .	4.3	14.2	3.7	15.0	3.7	15.0
VI. Vehicles . . . . .	3.3	8.2	24.0	40.0	8.8	22.0
VII. Apparatuses, instruments . . . . .	6.0	6.0	19.0	19.5	20.0	20.0
VIII. Toys and tires . . . . .	6.1	6.1	14.5	17.0	17.0	20.0
Average of I-VIII = average of C . . . . .	8.5	11.7	15.5	22.7	15.0	21.6
General tariff level (average of A <sup>1</sup> , B <sup>1</sup> , C) . . . . .	14.3	17.2	17.0	23.8	37.5	44.0

\* Sardines in oil excluded as dishomogeneous price element.



TABLE AII: RELATIVE CHANGES IN PRE-WAR AND POST-WAR DUTY RATES AND TARIFF LEVELS OF GERMANY

1913 = 100, duty rates and tariff levels amounted to :

Group of Goods	1927				1931			
	Duty Rates		Tariff Levels		Duty Rates		Tariff Levels	
<b>A. Foodstuffs:</b>								
I. Cereals, flour . . .	115	120	100	105	390	480	665	690
II. Live-stock . . .	255	285	170	240	300	310	355	430
III. Animal foodstuffs . . .	135	135	105	110	175	180	145	155
IV. Fruit, vegetables . . .	140	155	58	100	130	155	63	120
V. Other foodstuffs . . .	180	180	150	150	200	200	430	430
Average of I-V = average of A <sup>1</sup>	165	175	115	135	240	265	370	385
VI. Alcoholic drinks, tobacco	110	110	93	98	125	160	130	160
Average of I-VI = average of A <sup>2</sup>	155	165	110	120	230	250	285	300
<b>B. Semi-manufactured goods:</b>								
I. Textiles . . .	105	160	80	105	110	160	120	135
II. Timber, paper, cork . . .	64	98	71.5	117	64	98	62	100
III. Metals . . .	98	110	93	125	175	180	107	155
IV. Chemicals . . .	215	305	73	75	235	340	255	375
V. Mineral oils . . .	200	300	190	280	500	565	1400	1600
Average of I-IV = average of B <sup>1</sup>	120	170	80	105	150	200	145	160
Average of I-V = average of B <sup>2</sup>	140	195	130	135	220	270	460	610
<b>C. Manufactured goods:</b>								
I. Textiles . . .	350	395	210	300	335	400	260	310
II. Paper . . .	97	97	69	69	97	97	90	90
III. Glass, cement, china . . .	255	275	145	145	255	275	120	120
IV. Metal goods . . .	160	180	115	140	160	180	145	190
V. Machines . . .	125	140	86	105	125	140	86	105
VI. Vehicles . . .	340	530	490	725	180	190	270	270
VII. Apparatuses, instruments	150	150	320	320	150	150	330	330
VIII. Toys and tires . . .	170	210	240	280	170	210	280	330
Average of I-VIII = average of C	205	245	180	195	185	205	175	185
General tariff level (average of A <sup>1</sup> , B <sup>1</sup> , C)	165	195	120	140	190	225	255	260

TABLE A1: POTENTIAL TARIFF LEVELS OF FRANCE  
(In % of Prices)

Group of Goods	1913		1927		1931	
<b>A. Foodstuffs:</b>						
I. Cereals and flour . . .	27.2	30.0	19.8	21.6	98.0	102.0
II. Livestock . . .	13.1	15.0	8.0	10.1	18.7	21.6
III. Animal foodstuffs . . .	24.2	25.7	13.4	16.0	29.7	32.8
IV. Fruit and vegetables . . .	19.5	33.4	9.7	15.8	22.5	31.6
V. Other foodstuffs . . .	54.5	60.0	28.8	30.3	90.0	99.0
VI. Alcoholic drinks * . . .	25.0	25.0	26.4	30.0	35.0	55.0
Average of I-VI = average of A .	27.2	31.3	17.7	20.6	49.0	57.0
<b>B. Semi-manufactured goods:</b>						
I. Textiles . . .	13.0	62.2	10.7	59.0	14.5	76.5
II. Timber, paper, cork . . .	12.3	18.0	9.7	18.6	19.3	38.0
III. Metals . . .	27.6	41.2	18.3	58.0	21.3	64.0
IV. Chemicals . . .	12.8	16.0	9.5	10.8	9.8	11.2
V. Mineral oils . . .	138.0	194.0	37.7	62.7	130.0	182.0
Average of I-IV = average of B <sup>1</sup>	16.4	34.3	12.0	36.6	16.2	47.4
Average of I-V = average of B <sup>2</sup>	40.7	66.0	17.2	41.8	39.0	74.3
<b>C. Manufactured goods:</b>						
I. Textiles . . .	21.0	34.3	19.8	29.0	21.3	32.0
II. Paper . . .	19.4	23.8	33.0	33.0	42.6	42.6
III. Glass, china, cement . . .	10.0	11.3	18.2	21.0	17.4	20.0
IV. Metal goods . . .	7.0	23.0	17.4	22.7	18.6	24.0
V. Machines . . .	9.0	18.5	12.3	37.0	11.8	36.0
VI. Vehicles . . .	9.6	15.4	34.0	35.8	35.0	52.0
VII. Apparatuses, instruments . . .	10.1	14.0	15.1	18.3	15.5	19.0
VIII. Toys and tires . . .	17.0	17.7	23.0	43.3	26.6	50.0
Average of I-VIII = average of C	12.9	19.7	21.6	30.0	23.6	34.4
General tariff level (average of A, B <sup>1</sup> , C)	18.8	28.4	17.1	29.1	29.6	46.3

\* Tobacco excluded, because of tobacco monopoly, 1913-31.

TABLE A1: POTENTIAL TARIFF LEVELS OF ITALY  
(In % of Prices)

(Compare p. 70, note 1, and p. 71, note 1, of text.)

Group of Goods	1913		1927		1931	
<b>A. Foodstuffs:</b>						
I. Cereals and flour . . . . .	30.0	37.6	21.0	26.3	89.0	131.0
II. Livestock . . . . .	9.4	13.1	6.1	19.6	8.3	26.0
III. Animal foodstuffs . . . . .	14.0	15.0	21.8	23.5	21.7	24.0
IV. Fruit and vegetables . . . . .	15.2	15.2	14.5	18.6	11.7	16.0
V. Other foodstuffs . . . . .	114.0	127.0	35.3	38.5	107.0	141.0
VI. Alcoholic drinks and tobacco	30.0	32.0	29.0	41.0	33.5	46.0
Average of I-VI = average of A . . . . .	30.0	40.0	21.3	28.0	57.6	74.0
(Without Av)	19.7	24.0	—	—	45.2	64.0
<b>B. Semi-manufactured goods :</b>						
I. Textiles . . . . .	9.2	15.5	6.6	18.7	9.9	29.0
II. Timber, paper, cork . . . . .	*(39.0)	44.5	†26.3	29.0	†60.0	62.0
III. Metals . . . . .	28.2	34.0	38.3	63.0	45.0	85.0
IV. Chemicals . . . . .	9.2	10.2	17.7	29.5	44.6	59.0
V. Mineral oils . . . . .	103.0	103.0	119.0	125.0	395.0	400.0
Average of I-IV = average of B <sup>1</sup> . . . . .	21.4	28.5	22.2	35.0	40.0	59.0
Average of I-V = average of B <sup>2</sup> . . . . .	37.7	43.4	41.6	53.0	111.0	127.0
<b>C. Manufactured goods:</b>						
I. Textiles . . . . .	15.6	19.4	19.4	29.6	19.6	31.0
II. Paper . . . . .	17.1	27.1	18.7	29.1	23.1	36.0
III. Glass, china, cement . . . . .	23.7	32.4	39.6	58.4	42.6	61.0
IV. Metal goods . . . . .	11.6	15.5	16.7	31.4	21.8	49.0
V. Machines . . . . .	6.4	7.5	11.5	21.3	15.3	25.0
VI. Vehicles . . . . .	5.1	6.6	43.0	53.0	93.0	111.0
VII. Apparatuses, instruments . . . . .	6.8	6.8	9.4	10.3	21.4	25.0
VIII. Toys and tires . . . . .	16.2	18.5	21.7	43.0	33.4	58.0
Average of I-VIII = average of C . . . . .	12.6	16.7	22.2	34.5	33.8	49.0
General tariff level (average of A, B <sup>1</sup> , C) . . . . .	21.3	28.4	22.6	33.7	39.3	57.0

\* Only wood pulp; cellulose, timber, cork duty free.

† Planks soft, not planed, and cork; other goods duty free.

TABLE AII: RELATIVE CHANGES IN PRE-WAR AND POST-WAR DUTY RATES AND TARIFF LEVELS OF ITALY

1913=100, duty rates and tariff levels amounted to:

Group of Goods	1927				1931			
	Duty Rates		Tariff Levels		Duty Rates		Tariff Levels	
<b>A. Foodstuffs:</b>								
I. Cereals, flour . . .	100	115	70	70	210	225	300	350
II. Livestock . . .	145	250	65	150	145	250	88	200
III. Animal foodstuffs . . .	160	170	155	160	165	180	155	160
IV. Fruit, vegetables . . .	105	145	95	120	105	150	77	105
V. Other foodstuffs . . .	82	92	30.2	31	120	125	94	110
VI. Alcoholic drinks and tobacco . . .	150	190	130	140	170	215	340	360
Average of I-VI = average of A . . .	120	160	70	71	150	190	150	160
(Without Av)	—	—	(110)	(115)	—	—	(200)	(265)
<b>B. Semi-manufactured goods:</b>								
I. Textiles . . .	I		72	120	I		108	186
II. Timber, paper, cork . . .	120	120	65	65	120	120	140	155
III. Metals . . .	140	210	135	185	170	265	160	250
IV. Chemicals . . .	I		190	290	I		485	585
V. Mineral oils . . .	105	115	115	120	120	135	385	390
Average of I-IV = average of B <sup>1</sup> . . .	150	210	105	125	175	250	190	205
Average of I-V = average of B <sup>2</sup> . . .	140	185	110	120	160	220	290	295
<b>C. Manufactured goods:</b>								
I. Textiles . . .	180	200	125	155	190	190	100	165
II. Paper . . .	115	135	110	110	115	135	135	135
III. Glass, cement, china . . .	390	395	165	180	420	430	180	190
IV. Metal goods . . .	175	240	145	200	185	260	190	320
V. Machines . . .	250	440	180	285	380	540	240	340
VI. Vehicles . . .	I		800	840	I		1680	1820
VII. Apparatuses, instruments . . .	I		140	150	I		315	370
VIII. Toys and tires . . .	185	270	135	230	200	290	205	310
Average of I-VIII = average of C . . .	215	285	175	205	245	310	270	300
General tariff level (average of A, B <sup>1</sup> , C) . . .	160	215	105	120	180	250	205	215

TABLE A1: POTENTIAL TARIFF LEVELS OF BELGIUM  
(In % of prices)

Group of Goods	1913		1927		1931	
<b>A. Foodstuffs:</b>						
I. Cereals and flour . . . . .	8.1	8.1	2.4	2.4	15.7	15.7
II. Livestock . . . . .	fr.		fr.		fr.	
III. Animal foodstuffs . . . . .	20.0	20.0	7.3	7.3	12.1	12.1
IV. Fruit and vegetables . . . . .	39.0	39.0	13.6	27.5	13.6	32.6
v. Other foodstuffs . . . . .	35.0	35.0	16.2	17.7	43.0	45.0
Average of I-v = average of A <sup>1</sup>	25.5	25.5	9.9	13.7	21.0	26.4
VI. Alcoholic drinks and tobacco	95.0	95.0	28.5	38.6	44.0	60.0
Average of I-vi = average of A <sup>2</sup>	39.0	39.5	13.6	18.7	25.7	33.0
<b>B. Semi-manufactured goods:</b>						
I. Textiles . . . . .	4.8	11.4	3.7	6.6	4.8	8.1
II. Timber, paper, cork . . . . .	7.6	7.6	9.7	9.7	17.2	17.2
III. Metals . . . . .	4.7	6.7	4.6	6.0	5.5	6.7
IV. Chemicals . . . . .	*(9.1 9.1)		21.7	21.7	32.6	32.6
v. Mineral oils . . . . .	fr.		60.5	75.0	232.0	232.0
Average of I-iv = average of B <sup>1</sup>	6.5	8.7	9.9	11.0	15.0	16.1
Average of I-v = average of B <sup>2</sup>	6.5	8.7	20.0	23.8	58.5	59.0
<b>C. Manufactured goods:</b>						
I. Textiles . . . . .	12.3	13.3	14.5	17.4	14.4	18.7
II. Paper . . . . .	12.6	12.6	3.8	5.3	5.1	6.8
III. Glass, china, cement . . . . .	10.6	10.6	5.6	8.3	6.1	9.1
IV. Metal goods . . . . .	11.0	11.0	9.6	17.7	11.0	23.4
v. Machines . . . . .	1.4	8.6	7.4	15.3	7.7	15.3
VI. Vehicles . . . . .	3.3	7.3	10.3	20.3	12.5	24.8
VII. Apparatuses, instruments	6.9	6.9	7.2	9.5	7.8	9.9
VIII. Toys and tires . . . . .	11.5	11.5	7.8	18.4	9.4	23.3
Average of I-viii = average of C	8.7	10.2	8.3	14.0	9.2	16.5
General tariff level (average of A <sup>1</sup> , B <sup>1</sup> , C)	13.6	14.8	9.4	12.9	15.1	19.7

\* Duty of only one commodity: soap.

TABLE A1: POTENTIAL TARIFF LEVELS OF SWITZERLAND

*(In % of prices)*

Group of Goods	1913		1927		1931	
<b>A. Foodstuffs:</b>						
I. Cereals and flour . . . . .	4.3	24.7	5.8	45.6	13.0	101.0
II. Livestock . . . . .	8.4	8.4	21.4	23.6	28.7	32.7
III. Animal foodstuffs . . . . .	6.6	6.6	22.6	24.3	38.4	40.0
IV. Fruit and vegetables . . . . .	28.0	28.0	15.7	18.4	30.3	32.3
V. Other foodstuffs . . . . .	15.5	16.5	18.1	20.1	52.0	54.4
Average of I-V = average of A <sup>1</sup> .	12.6	16.8	16.7	26.4	32.5	52.0
VI. Alcoholic drinks and tobacco	11.2	12.7	26.2	94.0	29.1	112.0
Average of I-VI = average of A <sup>2</sup>	12.3	16.1	18.3	39.3	32.0	62.0
<b>B. Semi-manufactured goods:</b>						
I. Textiles . . . . .	4.4	4.5	5.7	7.0	8.9	10.8
II. Timber, paper, cork . . . . .	14.1	14.8	21.4	22.1	23.0	25.8
III. Metals . . . . .	2.7	9.5	4.4	15.5	9.4	21.8
IV. Chemicals . . . . .	4.6	4.6	7.8	7.8	9.3	9.3
V. Mineral oils . . . . .	7.0	7.0	56.0	56.0	133.0	133.0
Average of I-IV = average of B <sup>1</sup>	6.4	8.3	9.8	13.1	12.6	17.0
Average of I-V = average of B <sup>2</sup> .	6.6	8.1	19.1	21.6	36.7	40.0
<b>C. Manufactured goods:</b>						
I. Textiles . . . . .	4.7	5.1	7.7	8.9	10.4	12.7
II. Paper . . . . .	17.2	18.9	33.2	33.2	56.0	56.0
III. Glass, china, cement . . . . .	12.4	23.0	23.0	33.3	20.5	21.2
IV. Metal goods . . . . .	8.2	12.2	16.7	22.5	24.5	31.4
V. Machines . . . . .	3.9	8.4	7.5	13.0	7.4	12.0
VI. Vehicles . . . . .	6.3	6.3	22.7	32.7	27.1	40.2
VII. Apparatuses, instruments	4.5	8.0	4.0	6.4	6.5	6.5
VIII. Toys and tires . . . . .	3.5	6.6	7.8	9.4	9.5	11.5
Average of I-VIII = average of C	7.6	11.1	15.3	20.0	20.3	24.0
General tariff level (average of A <sup>1</sup> , B <sup>1</sup> , C)	8.9	12.1	13.9	19.7	21.8	31.0

## 390 TARIFFS AND THE ECONOMIC UNITY OF EUROPE

TABLE AII: RELATIVE CHANGES IN PRE-WAR AND POST-WAR DUTY RATES AND TARIFF LEVELS OF SWITZERLAND

1913=100, duty rates and tariff levels amounted to:

Group of Goods	1927				1931			
	Duty Rates		Tariff Levels		Duty Rates		Tariff Levels	
<b>A. Foodstuffs:</b>								
I. Cereals, flour . . .	185	220	135	185	185	220	300	410
II. Livestock . . .	530	555	255	280	510	530	340	390
III. Animal foodstuffs . . .	350	425	340	370	435	530	580	610
IV. Fruit, vegetables . . .	130	140	55	65	140	145	110	115
V. Other foodstuffs . . .	170	185	120	125	190	205	330	335
Average of I-V = average of A <sup>1</sup> . . . . .								
	275	305	135	160	290	320	260	310
VI. Alcoholic drinks and tobacco . . . . .	385	1470	235	740	370	1440	260	880
Average of I-VI = average of A <sup>2</sup> . . . . .								
	290	500	140	245	305	510	260	385
<b>B. Semi-manufactured goods:</b>								
I. Textiles . . . . .	240	240	130	155	260	270	200	240
II. Timber, paper, cork . . .	230	260	150	155	230	260	165	175
III. Metals . . . . .	220	260	160	165	525	760	230	350
IV. Chemicals . . . . .	160	200	170	170	160	200	200	200
V. Mineral oils . . . . .	1530	1530	800	800	1530	1530	1900	1900
Average of I-IV = average of B <sup>1</sup> . . . . .								
	210	240	155	160	295	370	195	215
Average of I-V = average of B <sup>2</sup> . . . . .								
	470	500	265	290	540	605	495	550
<b>C. Manufactured goods:</b>								
I. Textiles . . . . .	290	290	165	175	300	305	220	250
II. Paper . . . . .	230	260	175	195	230	260	295	325
III. Glass, cement, china . . .	250	385	145	185	180	345	92	165
IV. Metal goods . . . . .	230	250	185	205	230	250	300	355
V. Machines . . . . .	240	300	155	190	240	300	140	190
VI. Vehicles . . . . .	270	405	360	520	270	405	430	640
VII. Apparatuses, instruments	170	210	80	90	180	240	80	145
VIII. Toys and tires . . . . .	300	300	140	220	300	300	175	270
Average of I-VIII = average of C . . . . .								
	250	305	180	200	245	305	215	270
General tariff level (average of A <sup>1</sup> , B <sup>1</sup> , C) . . . . .								
	245	285	155	165	275	335	245	255

TABLE AI: POTENTIAL TARIFF LEVELS OF AUSTRIA  
(1913: AUSTRIA-HUNGARY)  
(In % of Prices)

Group of Goods	1913		1927		1931	
<b>A. Foodstuffs:</b>						
I. Cereals and flour . . . . .	43.0	43.0	3.7	3.7	96.0	96.0
II. Livestock . . . . .	6.8	22.5	5.4	5.4	16.4	22.0
III. Animal foodstuffs . . . . .	30.0	30.4	15.2	15.8	35.0	38.5
IV. Fruit and vegetables . . . . .	23.3	26.1	13.4	21.1	17.5	17.5
V. Other foodstuffs . . . . .	32.5	32.5	41.5	42.0	118.0	144.0
Average of I-V = average of A <sup>1</sup> . . . . .	27.0	31.2	15.8	17.2	57.0	62.0
VI. Alcoholic drinks and tobacco . . . . .	64.0	64.0	42.0	52.0	64.0	82.0
Average of I-VI = average of A <sup>2</sup> . . . . .	33.2	36.7	20.2	23.3	58.0	66.0
<b>B. Semi-manufactured goods:</b>						
I. Textiles . . . . .	8.5	17.7	5.1	11.5	7.8	20.0
II. Timber, paper, cork . . . . .	20.7	20.7	10.1	10.1	14.3	14.3
III. Metals . . . . .	29.3	33.0	21.2	29.5	30.5	37.0
IV. Chemicals . . . . .	15.7	15.7	17.4	17.4	20.3	21.7
V. Mineral oils . . . . .	65.8	65.8	24.3	29.0	61.0	78.0
Average of I-IV = average of B <sup>1</sup> . . . . .	18.5	21.8	13.4	17.1	18.2	23.2
Average of I-V = average of B <sup>2</sup> . . . . .	28.0	30.6	15.6	19.5	26.2	34.2
<b>C. Manufactured goods:</b>						
I. Textiles . . . . .	16.0	21.0	19.5	28.3	22.6	36.6
II. Paper . . . . .	14.8	19.8	11.7	14.4	18.1	25.3
III. Glass, china, cement . . . . .	23.5	40.3	15.1	15.7	25.7	25.7
IV. Metal goods . . . . .	17.0	27.8	25.6	43.0	28.4	45.4
V. Machines . . . . .	14.1	24.0	9.6	13.0	12.3	21.0
VI. Vehicles . . . . .	14.0	19.0	32.0	32.0	31.6	58.7
VII. Apparatuses, instruments . . . . .	9.6	11.5	17.0	17.0	19.5	19.5
VIII. Toys and tires . . . . .	7.8	28.2	12.3	30.5	12.3	41.6
Average of I-VIII = average of C . . . . .	14.6	24.0	17.8	24.2	21.5	34.2
General tariff level (average of A <sup>1</sup> , B <sup>1</sup> , C) . . . . .	20.0	25.7	15.6	19.4	32.1	39.7



TABLE A1: POTENTIAL TARIFF LEVELS OF  
CZECHOSLOVAKIA  
(1913: AUSTRIA-HUNGARY)  
(In % of Prices)

Group of Goods	1913		1927		1931	
<b>A. Foodstuffs:</b>						
I. Cereals and flour . . . . .	43·0	43·0	22·0	22·0	111·0	111·0
II. Livestock . . . . .	6·8	22·5	13·2	18·1	23·6	63·0
III. Animal foodstuffs . . . . .	30·0	30·4	19·0	19·6	56·0	57·0
IV. Fruit and vegetables . . . . .	23·3	26·1	43·2	49·7	39·8	50·0
v. Other foodstuffs . . . . .	32·5	32·5	78·0	79·0	161·0	164·0
Average of I-v = average of A <sup>1</sup> . . . . .	27·0	31·2	35·0	37·7	78·5	89·0
VI. Alcoholic drinks and tobacco . . . . .	64·0	64·0	96·0	96·0	150·0	150·0
Average of I-vi = average of A <sup>2</sup> . . . . .	32·2	36·7	45·0	47·4	90·0	99·0
<b>B. Semi-manufactured goods:</b>						
I. Textiles . . . . .	8·5	17·7	9·4	18·5	12·6	24·6
II. Timber, paper, cork . . . . .	20·7	20·7	19·2	19·2	22·5	22·5
III. Metals . . . . .	29·3	33·0	34·0	39·6	39·0	48·0
IV. Chemicals . . . . .	15·7	15·7	17·0	17·0	33·0	33·0
v. Mineral oils . . . . .	65·8	65·8	31·5	31·5	71·0	71·0
Average of I-iv = average of B <sup>1</sup> . . . . .	18·5	21·8	19·9	23·5	26·8	32·2
Average of I-v = average of B <sup>2</sup> . . . . .	28·0	30·6	22·0	25·1	35·6	40·0
<b>C. Manufactured goods:</b>						
I. Textiles . . . . .	16·0	21·0	28·2	37·4	32·4	40·5
II. Paper . . . . .	14·8	19·8	25·6	28·1	32·4	33·5
III. Glass, china, cement . . . . .	23·5	40·3	35·3	44·0	33·0	41·0
IV. Metal goods . . . . .	17·0	27·8	31·6	59·4	38·0	55·7
v. Machines . . . . .	14·1	24·0	19·4	29·7	19·4	30·0
VI. Vehicles . . . . .	14·0	19·0	55·0	70·0	47·7	47·7
VII. Apparatuses, instruments . . . . .	9·6	11·5	16·2	21·2	18·0	21·3
VIII. Toys and tires . . . . .	7·8	28·2	9·0	79·5	12·9	83·0
Average of I-viii = average of C . . . . .	14·6	24·0	25·5	46·0	29·2	44·0
<b>General tariff level (average of A<sup>1</sup>, B<sup>1</sup>, C) . . . . .</b>						
	20·0	25·7	26·8	35·8	44·8	55·0

TABLE A1: POTENTIAL TARIFF LEVELS OF SWEDEN  
(In % of Prices)

Group of Goods	1913		1927		1931	
<b>A. Foodstuffs:</b>						
I. Cereals and flour . . . .	30.3	30.3	17.8	17.8	54.0	54.0
II. Livestock . . . .	10.8	10.8	7.6	7.6	12.3	12.3
III. Animal foodstuffs . . . .	25.6	25.6	15.6	15.6	23.5	23.5
IV. Fruit and vegetables . . . .	67.0	72.0	39.0	41.5	52.0	56.0
V. Other foodstuffs . . . .	28.4	32.0	24.7	27.0	47.4	53.0
Average of I-V = average of A <sup>1</sup> (Without AIV)	32.4	34.0	21.0	22.0	38.0	40.0
	*(23.8	24.7)				
VI. Alcoholic drinks and tobacco	80.0	101.0	68.0	83.0	88.0	88.0
Average of I-VI = average of A <sup>2</sup>	40.3	45.3	28.8	32.0	46.2	48.0
<b>B. Semi-manufactured goods:</b>						
I. Textiles . . . .	12.4	17.3	7.1	10.3	11.5	17.0
II. Timber, paper, cork . . . .		fr.		fr.		fr.
III. Metals . . . .	16.8	31.7	16.6	33.2	17.8	29.2
IV. Chemicals . . . .	36.7	36.7	20.7	20.7	22.2	29.8
V. Mineral oils . . . .		fr.		fr.		4.2
						4.2
Average of I-IV = average of B <sup>1</sup>	22.0	28.6	14.8	21.4	17.2	18.7
Average of I-V = average of B <sup>2</sup>	—	—	—	—	14.2	15.2
<b>C. Manufactured goods:</b>						
I. Textiles . . . .	16.6	21.0	24.4	35.2	28.8	39.0
II. Paper . . . .	24.5	24.5	19.4	19.4	27.4	27.4
III. Glass, china, cement . . . .	38.5	45.5	24.0	29.2	24.4	30.4
IV. Metal goods . . . .	16.6	31.6	11.0	23.0	13.5	33.7
V. Machines . . . .	9.5	15.0	8.2	12.0	8.1	11.3
VI. Vehicles . . . .	13.3	13.3	13.3	13.3	13.3	13.3
VII. Apparatuses, instruments	14.0	16.5	11.3	12.6	13.4	14.3
VIII. Toys and tires . . . .	45.0	45.0	38.0	38.0	37.8	37.8
Average of I-VIII = Average of C	22.5	26.5	18.7	23.0	21.0	26.0
<b>General tariff level (average of A<sup>1</sup>, B<sup>1</sup>, C)</b>						
	25.6	29.7	18.2	22.0	25.4	28.3

\* Compare p. 86, note 1, of text.

TABLE A1: POTENTIAL TARIFF LEVELS OF FINLAND  
(In % of Prices)

Group of Goods	1913		1927		1931	
<b>A. Foodstuffs:</b>						
I. Cereals and flour . . .	*(21.0	21.0)	22.0	29.0	124.0	156.0
II. Livestock . . . . .	fr.		8.8	8.8	20.6	20.6
III. Animal foodstuffs . . .	†52.3	52.3	43.4	43.4	84.0	84.0
IV. Fruit and vegetables . .	‡40.0	40.0	124.0	124.0	79.0	93.0
V. Other foodstuffs . . . .	82.0	82.0	86.0	87.0	188.0	191.0
Average of I-V = average of A <sup>1</sup>	49.0	49.0	57.0	58.0	95.0	109.0
VI. Alcoholic drinks, tobacco	73.0	73.0	121.0	121.0	145.0	145.0
Average of I-VI = average of A <sup>2</sup>	45.0	45.0	67.5	69.0	107.0	115.0
<b>B. Semi-manufactured goods:</b>						
I. Textiles . . . . .	19.0	23.2	13.6	19.7	21.8	29.4
II. Timber, paper, cork . . .	fr.		fr.		fr.	
III. Metals . . . . .	19.0	22.0	10.6	17.5	15.2	24.2
IV. Chemicals . . . . .	33.5	33.5	33.6	46.6	30.0	40.6
V. Mineral oils . . . . .	53.0	53.0	20.4	20.4	308.0	308.0
Average of I-IV = average of B <sup>1</sup>	17.9	19.7	19.4	21.0	16.7	23.5
Average of I-V = average of B <sup>2</sup>	31.1	33.0	19.5	26.0	94.0	100.0
<b>C. Manufactured goods:</b>						
I. Textiles . . . . .	26.4	34.0	26.4	38.0	39.0	58.0
II. Paper . . . . .	74.0	74.0	9.6	13.5	9.7	14.6
III. Glass, china, cement . .	106.0	106.0	31.0	34.3	34.5	37.3
IV. Metal goods . . . . .	16.0	35.3	14.7	23.2	17.2	26.5
V. Machines . . . . .	19.8	21.0	6.5	9.5	5.9	9.5
VI. Vehicles . . . . .	6.1	6.1	9.0	9.0	13.2	22.5
VII. Apparatuses, instruments	10.4	10.4	11.5	13.0	13.9	15.6
VIII. Toys and tires . . . .	32.6	32.6	202.0	202.0	240.0	240.0
Average of I-VIII = average of C	36.4	38.8	§15.5	20.1	§19.1	26.3
<b>General tariff level (average of A<sup>1</sup>, B<sup>1</sup>, C)</b>						
	34.4	35.8	30.7	33.0	43.7	52.8

\* Only duty on maize, other goods duty free in 1913.

† Butter, eggs, beef, pork, duty free in 1913.

‡ Potatoes, cauliflower, tomatoes, beans, duty free in 1913.

§ Tariff level of CVIII excluded as dishomogeneous element.

TABLE A1: POTENTIAL TARIFF LEVELS OF POLAND  
(1913: RUSSIA)  
(In % of Prices)

Group of Goods	1913		1927		1931	
<b>A. Foodstuffs:</b>						
I. Cereals and flour . . . . .	*30.5	30.5	*24.0	24.0	97.0	97.0
II. Livestock . . . . .		ft.	12.5	15.0	20.0	23.5
III. Animal foodstuffs . . . . .	34.6	34.6	31.6	36.2	77.0	85.0
IV. Fruit and vegetables . . . . .	80.4	80.4	213.0	242.0	155.0	226.0
V. Other foodstuffs . . . . .	132.0	132.0	61.0	61.0	160.0	160.0
Average of I-V = average of A <sup>1</sup>	69.5	69.5	68.5	75.5	102.0	118.0
VI. Alcoholic drinks, tobacco	110.0	131.0	146.0	146.0	118.0	128.0
Average of I-VI = average of A <sup>2</sup>	77.5	82.0	81.0	87.0	105.0	120.0
<b>B. Semi-manufactured goods:</b>						
I. Textiles . . . . .	42.0	71.5	26.6	49.5	34.0	63.0
II. Timber, paper, cork . . . . .	36.6	55.5	10.2	13.4	19.0	22.5
III. Metals . . . . .	84.0	95.5	40.6	54.5	51.5	67.0
IV. Chemicals . . . . .	62.0	62.0	35.5	36.0	32.0	32.5
V. Mineral oils . . . . .	166.0	166.0	64.0	64.0	420.0	420.0
Average of I-IV = average of B <sup>1</sup>	56.0	71.0	28.2	38.3	34.0	46.2
Average of I-V = average of B <sup>2</sup>	78.0	90.0	35.4	43.5	111.0	121.0
<b>C. Manufactured goods:</b>						
I. Textiles . . . . .	43.0	46.4	78.0	96.0	83.0	106.0
II. Paper . . . . .	247.0	247.0	21.7	25.3	24.4	29.5
III. Glass, china, cement . . . . .	140.0	186.0	37.5	74.5	29.0	47.0
IV. Metal goods . . . . .	59.0	66.5	52.0	75.0	48.4	83.0
V. Machines . . . . .	34.6	59.0	20.4	46.6	18.5	42.0
VI. Vehicles . . . . .	22.2	23.6	21.6	32.7	27.5	45.0
VII. Apparatuses, instruments	31.5	33.3	61.0	67.0	70.0	77.4
VIII. Toys and tires . . . . .	56.5	56.5	490.0	650.0	557.0	746.0
Average of I-VIII = average of C	79.0	90.0	†41.7	69.5	†43.0	61.4
General tariff level (average of A <sup>1</sup> , B <sup>1</sup> , C)	68.0	77.0	46.0	61.0	60.0	75.0

\* Only duties on flour; cereals duty free in 1913 and 1927.

† Tariff level of CVIII excluded as dishomogeneous element.

TABLE A1: POTENTIAL TARIFF LEVELS OF  
ROUMANIA  
(In % of Prices)

Group of Goods	1913		1927		1931	
<b>A. Foodstuffs:</b>						
I. Cereals and flour . . . . .	*(39.0	39.0)	13.8	13.8	36.4	36.4
II. Livestock . . . . .	6.6	11.1	3.8	8.8	3.7	11.1
III. Animal foodstuffs . . . . .	47.3	47.3	48.0	48.0	85.5	88.5
IV. Fruit and vegetables . . . . .	19.0	19.0	81.0	85.0	152.0	161.0
V. Other foodstuffs . . . . .	59.0	60.0	72.0	83.0	148.0	155.0
Average of I-V = average of A <sup>1</sup> . . . . .	34.2	35.3	43.6	47.6	85.0	90.0
VI. Alcoholic drinks and tobacco . . . . .	72.0	72.0	118.0	118.0	136.0	136.0
Average of I-VI = average of A <sup>2</sup> . . . . .	40.5	41.4	56.0	59.4	93.5	98.0
<b>B. Semi-manufactured goods:</b>						
I. Textiles . . . . .	10.0	22.8	15.3	32.6	25.3	54.0
II. Timber, paper, cork . . . . .	61.0	61.0	25.0	80.0	36.4	42.2
III. Metals . . . . .	12.1	15.4	26.2	30.2	32.0	47.5
IV. Chemicals . . . . .	22.0	35.2	16.6	35.4	51.0	82.0
V. Mineral oils . . . . .	27.3	27.3	17.1	19.5	41.0	42.0
Average of I-IV = average of B <sup>1</sup> . . . . .	26.3	33.6	20.8	44.5	36.2	56.4
Average of I-V = average of B <sup>2</sup> . . . . .	26.5	32.3	20.0	39.9	37.1	53.5
<b>C. Manufactured goods:</b>						
I. Textiles . . . . .	18.3	27.0	87.0	163.0	110.0	232.0
II. Paper . . . . .	61.3	61.3	46.2	53.2	73.7	88.0
III. Glass, china, cement . . . . .	25.0	31.0	63.5	66.6	43.4	48.0
IV. Metal goods . . . . .	22.7	45.2	21.3	58.5	24.3	65.0
V. Machines . . . . .	5.7	8.0	6.5	14.4	6.6	13.2
VI. Vehicles . . . . .	18.8	27.0	13.0	27.4	19.7	29.3
VII. Apparatuses, instruments . . . . .	8.3	8.3	35.7	39.0	20.7	28.7
VIII. Toys and tires . . . . .	20.6	20.6	19.5	60.5	25.0	52.0
Average of I-VIII = average of C . . . . .	22.5	28.5	36.8	60.3	40.4	69.5
General tariff level (average of A <sup>1</sup> , B <sup>1</sup> , C) . . . . .	27.7	33.0	33.7	51.0	54.0	72.0

\* Cereals duty free; only duties on flour.

TABLE A1: POTENTIAL TARIFF LEVELS OF HUNGARY  
(1913: AUSTRIA-HUNGARY)

(In % of Prices)

Group of Goods	1913		1927		1931	
<b>A. Foodstuffs:</b>						
I. Cereals and flour . . . .	43.0	43.0	26.7	26.7	59.0	59.0
II. Livestock . . . . .	6.8	22.5	13.3	22.7	23.1	40.0
III. Animal foodstuffs . . . .	30.0	30.4	30.0	31.6	45.4	50.0
IV. Fruit and vegetables . . . .	23.3	26.1	20.4	35.2	30.0	44.5
V. Other foodstuffs . . . . .	32.5	32.5	52.0	56.5	122.0	129.0
Average of I-V = average of A <sup>1</sup> . . . .	27.0	31.2	28.4	34.5	56.0	64.4
VI. Alcoholic drinks and tobacco . . . .	64.0	64.0	64.0	77.0	116.0	133.0
Average of I-VI = average of A <sup>2</sup> . . . .	33.2	36.7	34.3	41.6	66.0	76.0
<b>B. Semi-manufactured goods:</b>						
I. Textiles . . . . .	8.5	17.7	9.5	26.0	16.0	33.6
II. Timber, paper, cork . . . . .	20.7	20.7	fr.	fr.	fr.	fr.
III. Metals . . . . .	29.3	33.0	35.0	38.6	42.6	55.5
IV. Chemicals . . . . .	15.7	15.7	33.0	56.3	34.3	54.0
V. Mineral oils . . . . .	65.8	65.8	45.0	51.3	123.0	141.0
Average of I-IV = average of B <sup>1</sup> . . . .	18.5	21.8	21.1	32.0	24.4	40.6
Average of I-V = average of B <sup>2</sup> . . . .	28.0	30.6	26.0	36.0	44.0	60.7
<b>C. Manufactured goods:</b>						
I. Textiles . . . . .	16.0	21.0	25.0	44.0	30.4	49.0
II. Paper . . . . .	14.8	19.8	16.8	43.0	24.0	55.0
III. Glass, china, cement . . . . .	23.5	40.3	24.2	25.8	28.0	31.0
IV. Metal goods . . . . .	17.0	27.8	55.0	61.0	67.5	95.0
V. Machines . . . . .	14.1	24.0	14.5	30.7	24.0	50.5
VI. Vehicles . . . . .	14.0	19.0	21.7	27.7	31.0	43.0
VII. Apparatuses, instruments . . . . .	9.6	11.5	13.0	19.0	18.0	24.7
VIII. Toys and tires . . . . .	7.8	28.2	11.0	77.0	14.6	97.0
Average of I-VIII = average of C . . . .	14.6	24.0	22.7	41.0	29.7	55.5
General tariff level (average of A <sup>1</sup> , B <sup>1</sup> C) . . . . .	20.0	25.7	24.0	35.8	36.7	53.5

TABLE A1: POTENTIAL TARIFF LEVELS OF  
YUGOSLAVIA  
(1913: SERBIA)  
(In % of Prices)

Group of Goods	1913		1927		1931	
<b>A. Foodstuffs:</b>						
I. Cereals and flour . . . . .	25.7	25.7	9.2	9.2	80.0	80.0
II. Livestock . . . . .	4.0	20.0	18.4	24.0	26.6	34.0
III. Animal foodstuffs . . . . .	23.6	24.7	60.0	60.0	100.0	103.0
IV. Fruit and vegetables . . . . .	20.8	35.0	20.4	25.4	32.7	38.2
v. Other foodstuffs . . . . .	71.0	71.0	66.3	66.3	116.0	125.0
VI. Alcoholic drinks and tobacco . . . . .	25.8	31.0	74.0	91.0	63.0	98.0
Average of I-VI = average of A . . . . .	28.5	34.6	41.4	46.0	70.0	80.0
<b>B. Semi-manufactured goods:</b>						
I. Textiles . . . . .	9.4	20.0	8.1	16.3	13.3	22.6
II. Timber, paper, cork . . . . .	16.5	20.7	24.3	24.3	25.3	25.3
III. Metals . . . . .	17.0	17.8	32.0	36.2	36.8	42.0
IV. Chemicals . . . . .	17.8	18.3	28.5	28.5	40.0	40.0
v. Mineral oils . . . . .	9.5	76.0	40.3	93.0	142.0	238.0
Average of I-IV = average of B <sup>1</sup> . . . . .	15.2	19.2	23.2	26.3	29.0	32.5
Average of I-V = average of B <sup>2</sup> . . . . .	14.0	30.6	26.6	39.6	51.5	73.6
<b>C. Manufactured goods:</b>						
I. Textiles . . . . .	16.8	21.8	27.7	38.5	27.7	40.0
II. Paper . . . . .	20.3	32.3	20.4	29.2	37.0	37.0
III. Glass, china, cement . . . . .	30.0	37.0	32.8	40.7	31.0	38.0
IV. Metal goods . . . . .	14.0	26.8	25.4	43.0	31.2	63.0
v. Machines . . . . .	3.9	6.0	10.6	12.0	11.3	12.7
VI. Vehicles . . . . .	7.3	7.3	16.8	16.8	16.3	16.3
VII. Apparatuses, instruments . . . . .	6.8	6.8	18.5	23.5	21.0	26.4
VIII. Toys and tires . . . . .	21.0	34.5	32.0	61.0	42.0	75.0
Average of I-VIII = average of C . . . . .	15.0	21.5	23.0	33.0	27.2	38.5
<b>General tariff level (average of</b>						
A, B <sup>1</sup> , C) . . . . .	19.4	25.0	29.2	35.0	42.0	50.0

TABLE A1: POTENTIAL TARIFF LEVELS OF BULGARIA  
(In % of Prices)

Group of Goods	1913		1927		1931	
<b>A. Foodstuffs:</b>						
I. Cereals and flour . . . . .	9.7	9.7	18.0	18.0	66.0	66.0
II. Livestock . . . . .	2.5	9.7	10.0	21.4	16.0	37.6
III. Animal foodstuffs . . . . .	24.0	30.5	82.5	123.0	142.0	196.0
IV. Fruit and vegetables . . . . .	25.0	25.0	94.5	110.0	129.0	148.0
V. Other foodstuffs . . . . .	55.0	56.0	152.0	157.0	264.0	270.0
Average of I-V = average of A <sup>1</sup> . . . . .	23.2	26.2	71.5	86.0	123.0	144.0
VI. Alcoholic drinks and tobacco . . . . .	94.5	117.0	278.0	380.0	325.0	421.0
Average of I-VI = average of A <sup>2</sup> . . . . .	36.4	41.3	106.0	135.0	157.0	190.0
<b>B. Semi-manufactured goods:</b>						
I. Textiles . . . . .	18.2	23.0	76.0	99.0	106.0	141.0
II. Timber, paper, cork . . . . .	16.4	16.4	26.2	26.2	44.0	44.0
III. Metals . . . . .	19.7	20.4	28.5	39.0	31.2	42.0
IV. Chemicals . . . . .	30.0	49.0	44.0	55.4	48.5	63.0
V. Mineral oils . . . . .	28.5	32.5	17.3	187.0	40.7	450.0
Average of I-IV = average of B <sup>1</sup> . . . . .	21.2	27.2	44.0	55.0	57.4	72.5
Average of I-V = average of B <sup>2</sup> . . . . .	22.6	28.3	38.4	81.0	54.0	148.0
<b>C. Manufactured goods:</b>						
I. Textiles . . . . .	19.2	22.2	121.0	166.0	149.0	200.0
II. Paper . . . . .	31.3	31.3	29.7	62.0	37.7	78.0
III. Glass, china, cement . . . . .	21.0	22.4	77.0	77.0	66.6	66.6
IV. Metal goods . . . . .	10.7	19.5	28.5	63.5	36.0	73.0
V. Machines . . . . .	3.8	3.8	7.8	7.8	6.6	6.6
VI. Vehicles . . . . .	8.6	8.6	13.3	13.3	13.3	13.3
VII. Apparatuses, instruments . . . . .	12.4	12.4	47.0	47.0	51.5	51.5
VIII. Toys and tires . . . . .	42.5	42.5	162.0	314.0	203.0	396.0
Average of I-VIII = average of C . . . . .	18.7	20.3	55.8	94.0	70.4	110.0
General tariff level (average of A <sup>1</sup> , B <sup>1</sup> , C) . . . . .	21.0	24.6	57.0	78.0	83.0	109.0



TABLE A1: POTENTIAL TARIFF LEVELS OF SPAIN  
(In % of Prices)

Group of Goods	1913		1927		1931	
<b>A. Foodstuffs:</b>						
I. Cereals and flour . . . . .	32.0	32.0	41.0	41.0	99.0	99.0
II. Livestock . . . . .	11.4	13.4	19.3	28.0	35.0	46.0
III. Animal foodstuffs . . . . .	23.0	35.0	28.7	37.3	45.4	56.0
IV. Fruit and vegetables . . . . .	9.4	9.4	9.8	9.8	14.2	14.2
V. Other foodstuffs . . . . .	125.0	125.0	114.0	125.0	199.0	199.0
Average of I-V = average of A <sup>1</sup> . . . . .	40.0	43.0	42.5	48.0	78.0	83.0
VI. Alcoholic drinks and tobacco . . . . .	63.0	63.0	76.0	76.0	85.0	85.0
Average of I-VI = average of A <sup>2</sup> . . . . .	44.0	46.0	48.0	52.5	79.5	83.0
<b>B. Semi-manufactured goods:</b>						
I. Textiles . . . . .	25.0	64.0	33.3	62.4	40.0	88.0
II. Timber, paper, cork . . . . .	7.9	8.3	8.1	6.0	14.4	14.4
III. Metals . . . . .	32.0	36.6	70.0	86.0	87.5	98.0
IV. Chemicals . . . . .	16.3	19.2	21.4	24.0	25.3	27.5
V. Mineral oils . . . . .	137.0	137.0	133.0	133.0	253.0	253.0
Average of I-IV = average of B <sup>1</sup> . . . . .	20.3	32.0	32.2	45.2	41.8	57.0
Average of I-V = average of B <sup>2</sup> . . . . .	43.4	53.0	53.3	63.0	84.0	96.0
<b>C. Manufactured goods:</b>						
I. Textiles . . . . .	45.0	57.3	63.5	118.0	81.5	131.0
II. Paper . . . . .	34.0	86.0	57.0	120.0	72.0	152.0
III. Glass, china, cement . . . . .	41.5	68.0	59.5	73.0	57.0	72.0
IV. Metal goods . . . . .	36.4	48.5	42.0	60.0	56.5	77.0
V. Machines . . . . .	16.2	20.0	21.0	36.0	33.0	46.0
VI. Vehicles . . . . .	7.5	11.5	29.0	43.5	37.0	55.0
VII. Apparatuses, instruments . . . . .	19.5	19.6	20.5	22.0	25.0	27.0
VIII. Toys and tires . . . . .	85.0	85.0	65.0	174.0	77.0	208.0
Average of I-VIII = average of C . . . . .	35.7	49.5	44.4	81.0	55.0	96.0
General tariff level (average of A <sup>1</sup> , B <sup>1</sup> , C) . . . . .	32.0	42.0	40.0	58.0	58.0	79.0

TABLE B1: ACTUAL TARIFF LEVELS OF GERMANY

Group of Goods	1913	1927	1927 as % of 1913	1931	1931 as % of 1913
<b>A. Foodstuffs</b>					
I. Cereals, flour . . .	(9) 21.0 25.5	(14) 25.5 26.3	103 121	(18) 142.0 149.0	535 670
II. Livestock . . .	(8) 7.8 29.6	(6) 38.3 97.0	337 490	38.2 96.0	324 490
III. Animal foodstuffs	(84) 20.0 20.4	(89) 13.8 16.0	69 78	19.4 19.7	96 97
IV. Fruit, vegetables .	(19) 13.4 15.0	(22) 14.7 21.0	110 140	24.8 44.0	185 290
V. Other foodstuffs .	(7) 30.8 30.8	(9) 27.0 28.7	88 93	103.0 105.0	334 340
Average of I-V = average of A <sup>1</sup> . . .	18.6 24.3	24.0 38.0	130 156	65.5 82.5	340 350
VI. Alcoholic drinks and tobacco . . .	(6) 42.7 57.0	(10) 37.5 63.0	88 110	104.0 111.0	193 242
Average of I-VI = average of A <sup>2</sup> . . .	22.6 29.7	26.1 42.0	115 140	72.0 87.0	292 320
<b>B. Semi-manufactured goods.</b>					
I. Textiles . . .	(48) 6.7 12.7	(88) 7.3 16.8	109 132	12.0 26.2	180 206
II. Timber, paper, cork	(18) 18.7 18.7	(84) 18.0 22.8	96 122	18.6 25.7	100 138
III. Metals . . .	(18) 14.2 20.3	(17) 14.5 22.6	102 111	18.5 29.4	130 145
IV. Chemicals . . .	(4) 39.6 47.7	(8) 19.9 25.5	50 53.5	(6) 43.0 47.5	100 109
V. Mineral oils . . .	—	—	—	—	—
Average of I-IV = average of B . . .	19.8 24.8	15.0 22.0	76 89	23.0 32.0	116 124
<b>C. Manufactured Goods</b>					
I. Textiles . . .	(9) 6.3 6.5	(88) 18.6 25.5	295 390	24.1 35.4	380 545
II. Paper . . .	(6) 15.0 16.7	(9) 12.6 12.7	76 84	13.4 14.0	84 89
III. Glass, china, cement . . .	—	(8) 56.0 62.0	I	61.0 67.0	I
IV. Metal goods . . .	—	—	—	—	—
V. Machines . . .	(7) 3.5 10.4	3.8 11.2	108 108	4.1 10.8	104 117
VI. Vehicles . . .	(3) 2.6 6.8	(4) 24.3 40.6	595 935	9.3 23.7	350 360
VII. Apparatuses, instruments . . .	(10) 13.0 13.0	(14) 18.8 19.6	145 150	24.5 26.0	188 200
VIII. Toys and tires .	(8) 7.9 7.9	15.8 21.3	200 270	18.6 28.2	235 386
Average of C . . .	8.0 10.2	21.4 27.6	270 275	22.1 29.5	275 290
General tariff level (average of A, <sup>1</sup> B, C)	15.5 19.8	20.1 29.2	130 148	36.9 48.0	238 242

TABLE BII: ACTUAL TARIFF LEVELS OF ITALY

Group of Goods	1913		1927		1927 as % of 1913		1931		1931 % of 1913
<b>A. Foodstuffs</b>									
I. Cereals, flour	(6) 25.0	35.0	(6) 19.0	27.0	76	77	(6) 122.0	123.0	350
II. Livestock	—	—	(6) 3.7	10.0	I	I	5.3	14.2	I
III. Animal foodstuffs	(6) 14.6	15.3	(6) 33.6	54.6	230	360	54.0	72.0	370
IV. Fruit, vegetables	(6) 33.3	33.3	13.2	15.8	40	47	17.6	18.0	53
V. Other foodstuffs	(6) 19.0	19.0	18.0	18.0	95	95	53.0	53.0	280
Average of A	23.0	26.0	17.5	25.0	76	96	50.4	54.0	210
<b>B. Semi-manufactured Goods</b>									
I. Textiles	(6) 6.3	9.5	(14) 10.2	16.4	161	172	16.4	27.5	260
II. Timber, paper, cork	—	—	(6) 3.2	3.3	I	I	3.8	3.8	I
III. Metals	(18) 18.8	25	(21) 32.0	54.0	170	215	43.4	69.5	230
IV. Chemicals	(6) 7.3	9.9	(10) 16.3	36.4	210	370	22.0	44.6	300
V. Mineral oils	—	—	(8) 109.0	165.0	I	I	318.0	400.0	I
Average of B	10.8	14.8	15.4	27.7	142	187	21.4	36.3	200
<b>C. Manufactured Goods</b>									
I. Textiles	(6) 11.5	16.3	(7) 11.7	25.3	102	155	9.7	19.0	84.5
II. Paper	—	—	(8) 22.5	29.0	I	I	31.6	39.1	I
III. Glass, china, cement	—	—	(6) 27.2	33.0	I	I	29.0	36.0	I
IV. Metal goods	(6) 11.7	16.4	(11) 17.4	38.4	147	234	21.0	48.0	180
V. Machines	(22) 6.5	7.1	8.8	19.0	135	270	12.7	23.6	195
VI. Vehicles	—	—	—	—	—	—	—	—	—
VII. Apparatuses, instruments	(7) 3.6	3.7	(9) 9.0	12.7	250	342	26.0	41.0	720
VIII. Toys and tires	(5) 8.1	8.1	(7) 17.2	24.4	212	300	28.3	37.7	350
Average of C	8.3	10.3	16.4	26.0	198	250	22.6	35.0	270
General tariff level (average of A, B, C)	12.7	15.9	16.4	26.3	130	165	43.3	52.8	330

TABLE BIII: ACTUAL TARIFF LEVELS OF SWITZERLAND

Group of Goods	1913		1927		1927 as % of 1913		1931		1931 as % of 1913	
<b>A. Foodstuffs</b>										
I. Cereals, flour	(8) 3.7	23.5	(7) 9.1	42.2	180	246	43.0	88.0	375	1160
II. Livestock										
III. Animal foodstuffs	(8) 1.6	3.6	(11) 6.9	8.3	230	430	(10) 18.1	26.4	730	1130
IV. Fruit, vegetables	(4) 40.0	40.0	(8) 23.6	25.4	59	64	35.7	35.7	89	89
V. Other foodstuffs	(4) 19.7	22.3	(5) 13.2	19.0	67	85	28.0	34.0	142	152
Average of A <sup>1</sup>	16.0	22.3	13.2	23.7	83	106	31.2	46.0	195	205
VI. Alcoholic drinks and tobacco	(6) 23.7	29.7	(6) 47.0	83.0	198	280	73.5	98.0	310	330
Average of A <sup>2</sup>	17.7	24.0	20.0	35.6	113	148	40.0	56.0	225	235
<b>B. Semi-manufactured Goods</b>										
I. Textiles	(88) 3.6	6.5	(84) 5.5	6.7	103	155	7.9	9.6	147	220
II. Timber, paper, cork										
III. Metals	(19) 1.4	5.9	(20) 2.8	10.3	175	200	12.3	23.0	390	880
IV. Chemicals	(6) 4.7	7.4	4.6	9.6	100	130	5.9	12.3	125	166
Average of B	3.9	6.6	4.3	8.9	135	135	9.4	15.0	230	290
<b>C. Manufactured Goods</b>										
I. Textiles	(17) 3.5	4.3	(84) 6.8	8.6	195	200	8.4	12.1	240	280
II. Paper										
III. Glass, china, cement										
IV. Metal goods	(28) 6.3	16.4	13.0	29.8	180	206	13.4	31.0	188	210
V. Machines	(6) 2.3	6.5	4.9	10.8	166	212	4.9	9.3	143	212
VI. Vehicles	(4) 10.3	10.3	3.0	43.0	290	415	35.4	50.0	345	485
VII. Apparatus, instruments	(10) 5.1	6.7	7.5	8.0	120	147	5.6	5.8	86.5	109
VIII. Toys and tires	(8) 1.4	2.0	5.9	6.0	300	420	7.2	7.4	360	515
Average of C	4.8	7.7	11.3	17.7	230	235	12.3	17.5	230	255
General tariff level (average of A <sup>1</sup> , B, C)	8.0	12.3	9.6	16.8	120	136	17.6	26.2	212	220

TABLE BIV: ACTUAL TARIFF LEVELS OF SPAIN

Group of Goods	1913		1927		1927 as % of 1913		1931		1931 as % of 19	
<b>A. Foodstuffs</b>	No figures available									
<b>B. Semi-manufactured Goods</b>										
I. Textiles	(6) 11.4	47.5	10.4	31.0	65	91	36.8	66.0	138	3
II. Timber, paper, cork	(7) 6.1	10.0	(8) 13.0	15.5	155	212	14.7	16.8	168	2
III. Metals	—	—	—	—	—	—	—	—	—	—
IV. Chemicals	(9) 37.0	38.5	(10) 22.5	26.0	60	67	45.5	49.0	123	1
Average of B	18.2	32.0	15.3	24.2	76	84	32.3	43.7	136	1
<b>C. Manufactured Goods</b>										
I. Textiles	—	—	—	—	—	—	—	—	—	—
II. Paper	—	—	—	—	—	—	—	—	—	—
III. Glass, china, cement	(6) 19.7	19.7	32.0	32.0	162	162	36.0	36.0	182	
IV. Metal goods	(8) 18.0	30.0	28.5	48.5	158	160	34.0	59.0	188	
V. Machines	(16) 17.5	22.0	23.0	32.6	130	148	27.6	57.5	157	
VI. Vehicles	(6) 12.0	14.8	(7) 36.2	101.5	300	680	36.8	95.0	306	
VII. Apparatuses, instruments	(6) 12.0	12.6	(7) 62.0	62.0	490	520	62.0	62.0	490	
VIII. Toys and tires	(8) 33.0	33.0	98.0	267.0	295	810	93.0	236.0	280	
Average of C	18.7	22.0	47.0	90.0	250	410	48.0	91.0	255	

## LIST OF 144 A-PRICES AND A-GOODS

(In German Mark or Reichsmark (M. or Rm.))

(Comp. pp. 49-55 of text)

Goods	Export Country	Unit	1913	1927	1931
<b>A. Foodstuffs</b>					
<b>AI</b>					
Wheat . . . . .	Roumania	100 kilos	M. 14.60	Rm. 22.50	Rm. 11.80
Rye . . . . .	Germany	"	14.20	22.80	8.20
Barley . . . . .	Roumania	"	10.50	18.20	6.30
Oats . . . . .	Germany	"	14.10	20.10	14.00
Maize . . . . .	Roumania	"	9.60	13.50	5.45
Wheat flour . . . . .	Germany	"	22.70	23.50	13.20
Rye flour . . . . .	Germany	"	17.50	26.80	10.10
<b>AII</b>					
Pigs . . . . .	Netherlands	{ 100 kilos	48.60	95.00	74.00
		{ piece	51.00	125.00	67.60
Cattle . . . . .	Denmark	"	368.00	354.00	276.00
Horses . . . . .	Denmark	"	885.00	715.00	347.00
<b>AIII</b>					
Eggs . . . . .	Netherlands	100 kilos	76.00	137.00	101.00
Butter . . . . .	Denmark	"	246.00	350.00	244.00
Cheese . . . . .	Netherlands	"	59.00	133.00	102.00
Bacon or lard . . . . .	{ Denmark	"	143.00	190.00	127.00
	{ Netherlands	"	76.00	110.00	67.60
Fresh beef . . . . .	Denmark	"	104.00	114.00	88.00
Fresh pork . . . . .	Netherlands	"	76.00	142.00	88.00
Tins of sardines in oil . . . . .	Spain	"	121.00	77.00	40.00
<b>AIV</b>					
Potatoes . . . . .	Germany	100 kilos	5.28	10.80	7.15
Hops . . . . .	Germany	"	363.00	734.00	167.00
Tomatoes . . . . .	Italy	"	8.10	26.40	22.00
Cauliflower . . . . .	France	"	32.40	29.70	16.30
Oranges . . . . .	Spain	"	9.75	21.60	8.40
Raisins . . . . .	Greece	"	32.40	54.00	74.00
Dried figs . . . . .	Greece	"	73.00	32.40	26.20
Shelled almonds . . . . .	Spain	"	186.00	294.00	88.00
Apples . . . . .	France	"	28.30	36.20	36.80
Fresh grapes . . . . .	France	"	40.50	36.60	36.60
Beans . . . . .	Roumania	"	174.00	192.00	86.00
<b>AV</b>					
Unrefined sugar . . . . .	Germany	100 kilos	20.50	31.70	11.50
Refined sugar . . . . .	Germany	"	25.60	36.00	14.00
Chocolate . . . . .	Switzerland	"	278.00	324.00	296.00
Olive oil . . . . .	Spain	"	81.00	138.00	42.00
Margarine . . . . .	Netherlands	"	135.00	105.00	79.50
Powdered cocoa . . . . .	Netherlands	"	186.00	108.00	74.50

## 406 TARIFFS AND THE ECONOMIC UNITY OF EUROPE

Goods	Export Country	Unit	1913	1927	1931
<b>A. Foodstuffs—Contd.</b>					
AVI					
			M.	Rm.	Rm.
Champagne . . . . .	France	hectol.	356·00	486·00	470·00
Other wines in casks . . . . .	France	100 kilos	40·50	66·00	64·60
Liqueurs . . . . .	France	"	304·00	314·00	252·00
Leaf tobacco . . . . .	Greece	"	158·00	350·00	274·00
<b>B. Semi-finished Industrial Articles</b>					
BI					
			M.	Rm.	Rm.
Upper leather (cattle, horse)	Germany	100 kilos	1140·00	1780·00	1220·00
Goat leather . . . . .	Germany	"	1730·00	4280·00	2930·00
Cotton yarn, single, un- bleached, up to No. 50 . . . . .	Great Britain	"	332·00	321·00	227·00
Cotton yarn, single, un- bleached, over No. 50 . . . . .	Great Britain	"	332·00	620·00	405·00
Raw worsted . . . . .	Great Britain	"	454·00	730·00	550·00
Linen yarn, unbleached, up to No. 50 . . . . .	Belgium	"	272·00	264·00	232·00
Silk yarn, undyed . . . . .	France	"	1780·00	4000·00	1980·00
Raw artificial silk yarn . . . . .	France	"	1330·00	582·00	460·00
Cotton tissues, bleached . . . . .	Great Britain	"	346·00	605·00	460·00
Cotton tissues, printed . . . . .	Germany	"	396·00	726·00	492·00
Woollen tissues . . . . .	Germany	"	856·00	1480·00	1230·00
BII					
Cellulose, unbleached or bleached . . . . .	Sweden	100 kilos	14·60	22·40	17·90
Wood pulp . . . . .	Finland	"	3·64	4·80	5·30
Timber, hewn, soft . . . . .	Sweden	cu. metre	29·20	52·40	37·20
Planks, soft, not planed . . . . .	Sweden	"	39·00	59·00	44·50
Cork in sheets . . . . .	Spain	100 kilos	36·40	48·00	17·60
BIII					
Pig iron . . . . .	Germany	100 kilos	6·63	8·18	6·86
Crude steel . . . . .	Great Britain	"	29·20	23·20	23·40
Rolled iron . . . . .	France	"	10·00	10·40	9·10
Iron sheets, not worked . . . . .	France	"	16·00	15·60	13·20
Iron wire, rough . . . . .	Germany	"	11·50	11·85	11·40
Iron pipes . . . . .	Germany	"	25·40	33·40	41·80
Mould iron . . . . .	Germany	"	11·10	10·80	8·60
Tinned sheet . . . . .	Great Britain	"	30·00	43·50	34·40
Copper sheets, not worked . . . . .	Germany	"	181·00	155·00	114·00
Copper wire, rough . . . . .	Germany	"	178·00	151·00	112·00
Zinc sheets, not worked . . . . .	Germany	"	57·00	79·00	36·00
Aluminium sheets . . . . .	Germany	"	161·00	203·00	155·00
Aluminium in blocks . . . . .	Switzerland	"	125·00	200·00	167·00
Rails . . . . .	Germany	"	11·50	13·30	13·20

## APPENDIX

407

Goods	Export Country	Unit	1913	1927	1931
<b>B. Semi-finished Industrial Articles—Contd.</b>					
Bv					
Potash salts . . . . .	Germany	100 kilos	M. 7·16	Rm. 6·26	Rm. 5·70
Sulphate of ammonia . . . . .	Great Britain	"	28·00	20·40	13·20
Sulphurated ammonia . . . . .	Germany	"	24·50	20·60	11·20
Superphosphates . . . . .	Germany	"	7·60	7·30	5·35
Nitrogen from lime . . . . .	Norway	"	20·50	17·00	14·50
Nitrogen from air . . . . .	Germany	"	11·50	22·50	21·80
Sulphate of copper . . . . .	Great Britain	"	46·00	44·70	37·00
Aniline dyes . . . . .	Germany	"	221·00	537·00	450·00
Ordinary soap . . . . .	France	"	23·50	66·00	49·00
Non-alcoholic perfumes . . . . .	France	"	344·00	577·00	715·00
Medicaments . . . . .	Germany	"	918·00	2730·00	2180·00
Bv					
Refined oil . . . . .	Roumania	100 kilos	6·80	8·25	2·70
Petrol . . . . .	Roumania	"	22·80	16·80	6·15
Benzol . . . . .	Great Britain	hectol.	20·60	25·40	34·00
<b>C. Manufactured Industrial Goods</b>					
Cv					
Leather shoes . . . . .	Germany	{ 100 kilos	M. 982·00	Rm. 1670·00	Rm. 1470·00
		{ pair	—	10·50	7·56
Leather gloves . . . . .	France	100 kilos	9200·00	8800·00	9850·00
Fine leather goods . . . . .	Germany	"	1080·00	1965·00	1650·00
Cotton yarn, prepared for retail sale . . . . .	Great Britain	"	755·00	1600·00	1350·00
Cotton stockings, socks . . . . .	Germany	"	926·00	2550·00	2080·00
Cotton hosiery and knitted goods . . . . .	Germany	"	536·00	885·00	955·00
Cotton and woollen suits . . . . .	France	"	1250·00	775·00	1150·00
Woollen stockings and socks . . . . .	Germany	"	1080·00	2520·00	2100·00
Woollen hosiery and knitted goods . . . . .	Germany	"	1080·00	2520·00	2100·00
Woollen velvet . . . . .	Germany	"	744·00	1310·00	1120·00
Woollen clothing (women) . . . . .	Germany	"	1500·00	4280·00	3370·00
Woollen carpets . . . . .	Germany	"	423·00	621·00	573·00
Silk stockings and socks . . . . .	France	"	10850·00	18000·00	14000·00
Silk crêpes and tulle . . . . .	France	"	5750·00	8750·00	6000·00
Artificial silk stockings and socks . . . . .	Germany	"	3000·00	3130·00	2200·00
Artificial silk crêpes and tulle . . . . .	France	"	5750·00	4200·00	2680·00
Silk ribbons . . . . .	Switzerland	"	4910·00	1920·00	1540·00
Galloshes . . . . .	France	"	810·00	305·00	260·00
Fur coats . . . . .	France	"	10500·00	8500·00	8450·00
Cv					
Pasteboard . . . . .	Germany	100 kilos	20·30	30·80	25·00
Printing paper . . . . .	Germany	"	28·60	31·60	23·80
Packing paper . . . . .	Germany	"	31·00	47·60	38·00



408 TARIFFS AND THE ECONOMIC UNITY OF EUROPE

Goods	Export Country	Unit	1913	1927	1931
<i>C. Manufactured Industrial Goods—Contd.</i>					
CIII			M.	Rm.	Rm.
Cement . . . . .	Germany	100 kilos	3·34	3·32	2·94
Window glass . . . . .	France	"	18·60	36·40	39·00
Sheet glass, cut . . . . .	Belgium	"	61·50	64·50	88·00
Optical glass . . . . .	Germany	"	2870·00	2270·00	2030·00
White china . . . . .	Germany	"	91·00	138·00	148·00
Coloured china . . . . .	France	"	121·00	370·00	310·00
CIV					
Iron household utensils . . . . .	Germany	100 kilos	116·00	135·00	112·00
Iron cutting-implements . . . . .	Germany	"	266·00	335·00	296·00
Fine iron cutting tools . . . . .	Germany	"	644·00	918·00	946·00
Iron radiators . . . . .	Germany	"	41·00	50·00	31·60
Cast-iron lamps . . . . .	Germany	"	133·00	123·00	110·00
Copper household articles . . . . .	Germany	"	462·00	566·00	530·00
CV					
Looms . . . . .	Great Britain	100 kilos	94·00	157·00	154·00
Spinning machines . . . . .	Switzerland	"	145·00	244·00	197·00
Sewing machines without stand . . . . .	Germany	"	283·00	546·00	540·00
Sewing machines with stand . . . . .	Germany	"	167·00	278·00	334·00
Hosiery looms . . . . .	Germany	"	187·00	323·00	334·00
Finishing textile machines . . . . .	Germany	"	103·00	180·00	183·00
Internal combustion engines, not movable . . . . .	Germany	"	111·00	183·00	170·00
Steam engines (power machines) . . . . .	Switzerland	"	152·00	238·00	260·00
Dynamos . . . . .	Germany	"	125·00	197·00	207·00
Metal working machines . . . . .	Germany	"	110·00	184·00	179·00
Wood working machines . . . . .	Germany	"	105·00	158·00	168·00
Milling machines . . . . .	Germany	"	112·00	169·00	166·00
Paper machines . . . . .	Germany	"	84·00	131·00	123·00
Mowing machines . . . . .	Germany	"	64·00	65·00	66·00
CVI					
Locomotives (steam) . . . . .	Germany	100 kilos	101·00	155·00	127·00
Private cars . . . . .	Germany	{	731·00	485·00	297·00
		piece	9000·00	6120·00	3000·00
Freight motor-cars . . . . .	France	100 kilos	486·00	240·00	236·00
CVII					
Telephone apparatus . . . . .	Germany	100 kilos	902·00	840·00	1570·00
Telegraph apparatus . . . . .	Sweden	"	1330·00	1680·00	1770·00
Wireless sets . . . . .	Germany	"	594·00	1190·00	965·00
Photographic apparatus . . . . .	Germany	"	2540·00	4870·00	3930·00
Metal thread lamps . . . . .	Germany	"	2120·00	2510·00	2560·00
Watches (gold cases) . . . . .	Switzerland	piece	44·00	67·50	70·00
Watches (silver cases) . . . . .	Switzerland	"	9·50	16·50	18·00
Watches (other cases) . . . . .	Switzerland	"	4·22	5·10	4·00
Pianos . . . . .	Germany	"	625·00	1030·00	830·00
CVIII					
Tires . . . . .	France	100 kilos	810·00	580·00	366·00
Toys . . . . .	Germany	"	183·00	252·00	220·00

## INDEX TABLE OF A-PRICES

(Comp. pp. 54-55 of text)

1913 = 100, the group index amounted to :

Group	1927	1931
<i>A. Foodstuffs</i>		
I. Cereals and flour . . . .	142·5	67·0
II. Livestock . . . .	92·5	53·0
III. Animal foodstuffs . . . .	140·0	96·5
IV. Fruit and vegetables . . . .	154·0	59·5
V. Other foodstuffs . . . .	102·0	71·0
Average of I-V = average of A <sup>1</sup> . . . .	106·0	69·5
VI. Alcoholic drinks and tobacco . . . .	142·6	123·0
Average of I-VI = average of A <sup>2</sup> . . . .	129·0	78·3
<i>B. Semi-manufactured goods</i>		
I. Textiles . . . .	172·0	113·0
II. Timber, paper, cork . . . .	152·0	100·0
III. Metals . . . .	112·0	87·5
IV. Chemicals . . . .	190·0 *	158·0 *
V. Mineral oils . . . .	85·0 †	29·8 †
Average of I-V = average of B . . . .	142·2	97·6
<i>C. Manufactured Industrial Goods</i>		
I. Textiles . . . .	122·0	102·0
II. Paper . . . .	138·0	108·0
III. Glass, china, cement . . . .	91·2	83·0
IV. Metal goods . . . .	128·0	122·0
V. Machines . . . .	176·0	177·0
VI. Vehicles . . . .	66·6	50·0
VII. Apparatuses, instruments . . . .	161·0	143·0
VIII. Toys, tires . . . .	84·0	59·0
Average of I-VIII = average of C . . . .	120·8	105·5
General price level (average of A <sup>2</sup> , B, C) . . . .	130·6	94·0

\* Without medicaments and perfumes as dishomogeneous price elements.

† Without benzol as dishomogeneous price element.

TABLE I: EXPORTS OF EUROPEAN STATES,  
1913-34

(Without coins and bullion; in mill. currency units)

For 1913-31 the figures were taken from the official trade statistics and for 1934 from the *Statistische Jahrbuch für das Deutsche Reich*, 1935.

Country	1913	1929	1931	1934	1931 as % of 1929	1934 as % of 1929
Great Britain .	525	729	390	396	45.0	45.5
Germany .	10100	13480	6900	4167	71.2	30.8
France .	6880	50100	30400	17800	60.6	35.5
Italy .	2512	14890	10210	5130	67.6	34.5
Belgium .	3635	31900	23100	13500	72.2	42.3
Switzerland .	1375	2104	1350	835	64.3	39.8
Austria .	—	2190	1290	855	71.2	39.0
Czechoslovakia	—	20500	13105	7250	63.4	35.3
Netherlands .	(3085)	1990	1320	710	66.0	35.6
Denmark .	637	1616	1260	1170	78.0	72.3
Sweden .	817	1812	1122	1200	62.0	66.2
Norway .	381	743	460	570	61.6	76.5
Finland .	399	6380	4400	6150	68.6	96.5
Esthonia .	—	117	71	69	61.0	59.0
Lettland .	—	274	164	85	59.5	31.0
Lithuania .	—	330	273	147	79.5	44.5
Poland .	—	2815	1880	980	67.0	34.9
Roumania .	671	29000	22200	13600	76.5	47.0
Hungary .	—	1040	570	278	55.0	26.7
Yugoslavia .	—	7920	4800	3820	61.0	48.0
Bulgaria .	93	6400	5930	2560	92.6	40.0
Greece .	119	7000	4200	5460	61.0	78.0
Spain .	1058	2110	961	1450	45.5	68.6
Portugal .	35	1073	812	912	76.0	85.0

TABLE II: GOODS CLASSIFICATION OF EUROPEAN EXPORTS, 1913-31

(Comp. p. 114, note 1, of text)

I = Livestock, foodstuffs, and liquids.  
 II = Raw materials and semi-manufactured goods.  
 III = Industrial manufactured goods.

In % of Total Exports the exports of I, II, and III amounted to:

Country	1913			1927			1931		
	I	II	III	I	II	III	I	II	III
Great Britain . . .	6.2	13.3	78.5	7.3	10.7	79.5	9.1	12.0	75.0
Germany . . .	10.4	26.3	63.3	4.4	24.1	71.5	4.2	18.9	76.9
France . . .	12.2	27.0	60.8	10.2	30.0	59.8	14.1	23.6	62.3
Italy . . .	30.0	38.0	32.0	25.3	34.7	40.0	29.0	28.0	43.0
Belgium . . .	10.0	49.1	38.7	8.5	33.7	57.5	9.4	33.9	56.2
Switzerland . . .	14.6	11.1	74.3	10.9	9.4	79.5	11.2	11.0	77.8
Austria* . . .	27.2	40.4	32.4	3.2	22.7	71.1	4.2	20.3	72.8
Czechoslovakia . . .	—	—	—	14.5	19.6	65.8	8.7	15.5	75.5
Netherlands . . .	58.1	18.5	23.4	49.3	18.3	30.2	40.6	19.8	31.6
Sweden . . .	12.8	63.1	24.1	10.6	52.2	38.3	8.5	43.0	45.1
Denmark . . .	83.7	11.0	5.3	82.0	6.3	11.7	84.0	5.3	10.7
Norway . . .	36.6	50.5	12.9	28.6	49.9	21.5	25.4	51.2	17.7
Finland . . .	14.8	65.3	19.9	8.8	70.4	20.8	10.1	57.1	33.8
Poland . . .	—	—	—	28.3	57.8	13.9	32.6	42.6	23.8
Estonia . . .	—	—	—	37.6	29.2	32.8	49.7	26.6	23.6
Letland . . .	—	—	—	23.8	58.0	18.2	32.6	30.4	37.0
Lithuania . . .	—	—	—	31.7	63.5	4.7	70.7	24.6	4.9
Roumania . . .	71.4	27.7	0.9	42.7	55.1	2.2	no data available		
Hungary . . .	—	—	—	68.0	14.0	18.0	57.5	13.7	28.7
Yugoslavia † . . .	74.1	24.0	1.9	49.3	41.5	9.2	50.7	42.0	7.3
Bulgaria . . .	71.5	18.1	10.4	49.3	46.2	4.5	43.7	53.4	2.9
Greece . . .	61.3	38.0	0.7	35.3	63.4	1.3	35.3	61.4	2.4
Spain . . .	43.8	30.9	23.3	54.2	25.1	20.3	67.0	16.4	13.7
Portugal . . .	68.0	20.4	11.6	61.2	25.2	13.6	68.6	22.7	8.7

\* Austria, 1913 = figures of Austria-Hungary in 1913.

† Yugoslavia, 1913 = Serbia, 1913.

Sources: (1) Official trade statistics; (2) *Memorandum sur le commerce international*, 1927-29; (3) *Statistiques du commerce extérieur*, 1913-32; (4) Gaedicke, v. Eynern, *Vol. of Tables*, pp. 18-19.

TABLE III: FOREIGN TRADE RELATIONS OF EUROPEAN COUNTRIES WITH EUROPE

*(Comp. pp. 192-198 of text and Gaedicke, Vol. of Text, p. 20)**In % of Total Exports, goods were sent to or received from Europe:*

Country	Exports		Imports	
	Average 1909-13	Average 1925-30	Average 1909-13	Average 1925-30
Austria . . . . .	—	87.6	—	85.1
Austria-Hungary . . . . .	86.3	—	74.5	—
Belgium—Luxembourg . . . . .	80.2	70.5	64.8	61.9
Bulgaria . . . . .	93.1	90.4	98.6	93.3
Czechoslovakia . . . . .	—	82.3	—	67.0
Denmark . . . . .	95.5	96.4	83.5	74.3
Esthonia . . . . .	—	97.3	—	76.9
Finland . . . . .	98.0	87.7	99.3	82.0
France . . . . .	70.1	64.0	52.0	45.5
Germany . . . . .	75.5	74.4	57.1	52.7
Great Britain . . . . .	36.4	29.9	45.2	39.0
Greece . . . . .	83.0	73.8	95.3	68.3
Hungary . . . . .	—	94.1	—	93.7
Italy . . . . .	66.6	59.2	69.4	51.7
Letland . . . . .	—	96.7	—	92.0
Lithuania . . . . .	—	98.3	—	92.5
Netherlands . . . . .	74.2	76.4	73.6	64.8
Norway . . . . .	78.8	72.8	89.9	78.8
Poland—Danzig . . . . .	—	96.4	—	77.3
Portugal . . . . .	61.7	66.3	76.3	73.2
Roumania . . . . .	96.2	89.4	96.0	93.6
Spain . . . . .	71.3	66.3	65.2	54.9
Sweden . . . . .	87.9	78.0	86.0	76.8
Switzerland . . . . .	75.0	68.6	86.1	73.8
Yugoslavia * . . . . .	95.9	98.0	99.7	90.9

\* Yugoslavia, 1913 = Serbia, 1913.

TABLE IVa: POTENTIAL TARIFF LEVELS IN EUROPE

## A

*Absolute height of potential tariff levels in Europe, 1913-31*  
*(Comp. pp. 102 ff, 178 ff, of text)*  
*(In % of Prices)*

Country	Foodstuffs			Semi-manufactured Goods			Industrial Manufactured Goods		
	1913	1927	1931	1913	1927	1931	1913	1927	1931
Germany . . .	21.8	27.4	82.5	15.3	14.5	23.4	10.0	19.0	18.3
France . . .	29.2	19.1	53.0	25.3	24.3	31.8	16.3	25.8	29.0
Italy . . .	*22.0	24.5	66.0	25.0	28.6	49.5	14.6	28.3	41.8
Belgium . . .	25.5	11.8	23.7	7.6	10.5	15.5	9.5	11.6	13.0
Switzerland . .	14.7	21.5	42.2	7.3	11.5	15.2	9.3	17.6	22.0
Austria † . . .	(29.1)	16.5	59.5	(20.0)	15.2	20.7	(19.3)	21.0	27.7
Czechoslovakia .	(29.1)	36.3	84.0	(20.0)	21.7	29.5	(19.3)	35.8	36.5
Sweden . . .	‡24.2	21.5	39.0	25.3	18.0	18.0	24.5	20.8	23.5
Finland . . .	49.0	57.5	102.0	18.8	20.2	20.0	37.6	17.8	22.7
Poland § . . .	69.4	72.0	110.0	63.5	33.2	40.0	85.0	55.6	52.0
Roumania . . .	34.7	45.6	87.5	30.0	32.6	46.3	25.5	48.5	55.0
Hungary . . .	(29.1)	31.5	60.0	(20.0)	26.5	32.5	(19.3)	31.8	42.6
Yugoslavia    .	31.6	43.7	75.0	17.2	24.7	30.5	18.0	28.0	32.8
Bulgaria . . .	24.7	79.0	133.0	24.2	49.5	65.0	19.5	75.0	90.0
Spain . . .	41.5	45.2	80.5	26.0	39.2	49.5	42.5	62.7	75.5

\* This figure calculated without the tariff level of class Av (comp. p. 71 of text).

† Austria, 1913 = Austria-Hungary, 1913. The same for the figures of Hungary and Czechoslovakia in 1913.

‡ This figure calculated without the tariff level of class Arv (comp. p. 86 of the text).

§ Poland, 1913 = Russia, 1913.

|| Yugoslavia, 1913 = Serbia, 1913.

TABLE IVA: POTENTIAL TARIFF LEVELS IN EUROPE

## B

*Changes in pre-War and post-War tariff levels and duty rates  
1913=100, tariff levels (T) and duty rates (R) amounted to:*

Country	Foodstuffs				Semi-manufactured Goods				Manufactured Industrial Goods			
	1927		1931		1927		1931		1927		1931	
	T	R	T	R	T	R	T	R	T	R	T	R
Germany .	125	170	380	250	95	145	153	175	190	225	183	195
France .	65.5	107	180	145	96	125	125	125	153	210	178	215
Italy .	75	137	188	150	114	180	198	210	193	250	286	275
Belgium .	46	90	93	120	138	I	204	I	122	I	137	I
Switzerland	146	290	288	300	157	225	208	335	189	275	236	275
Austria *	56.6	87	204	130	76	120	103	120	109	120	143	130
Czecho- slovakia .	125	130	288	160	108	165	148	170	185	220	188	215
Sweden .	65	100	117	100	71	75	71	75	85	115	96	115
Finland .	117	230	208	260	107	145	106	165	47.5	I	60.5	I
Poland †	103	155	158	160	52.5	65	63	77	65.5	130	61.0	125
Roumania .	131	290	252	305	108	210	153	250	190	415	215	270
Hungary .	108	170	206	170	132	180	162	195	165	190	220	200
Yugoslavia ‡	138	230	238	260	135	205	180	190	175	160	205	160
Bulgaria .	320	400	540	415	204	275	270	300	385	590	465	590
Spain .	109	195	193	195	150	240	190	275	148	240	177	250

\* Austria, 1913=Austria-Hungary, 1913. The same for Hungary and Czechoslovakia, 1913.

† Poland, 1913=Russia, 1913.

‡ Yugoslavia, 1913=Serbia, 1913.

I=not comparable.

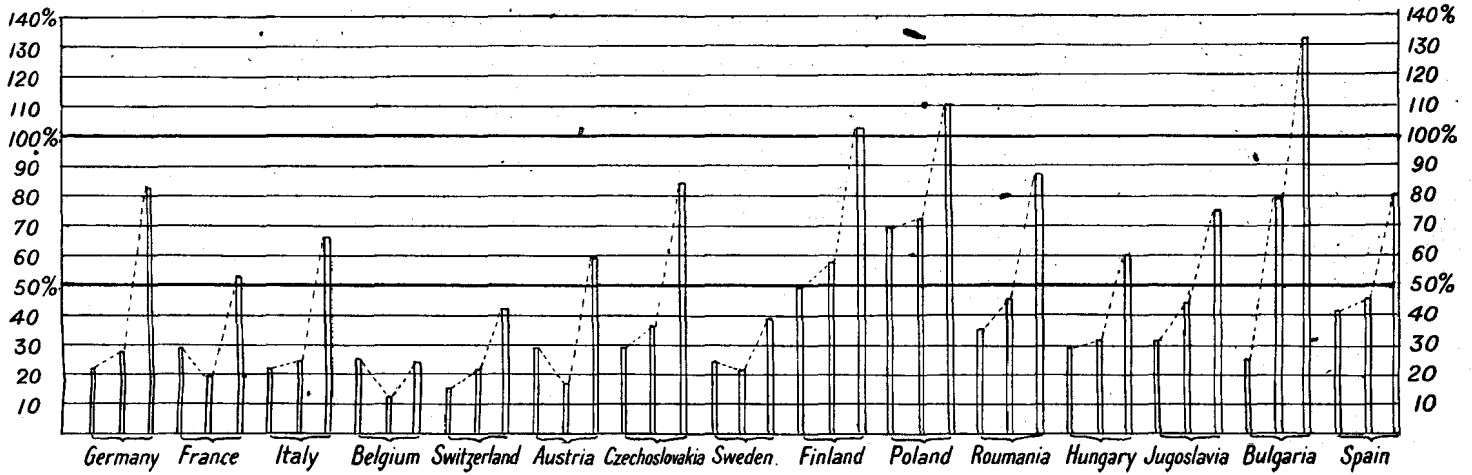


DIAGRAM A  
 Potential tariff levels in Europe, 1913, 1927, and 1931.  
 Foodstuffs.  
 (Comp. p. 102 of text and Table IVA of Appendix.)

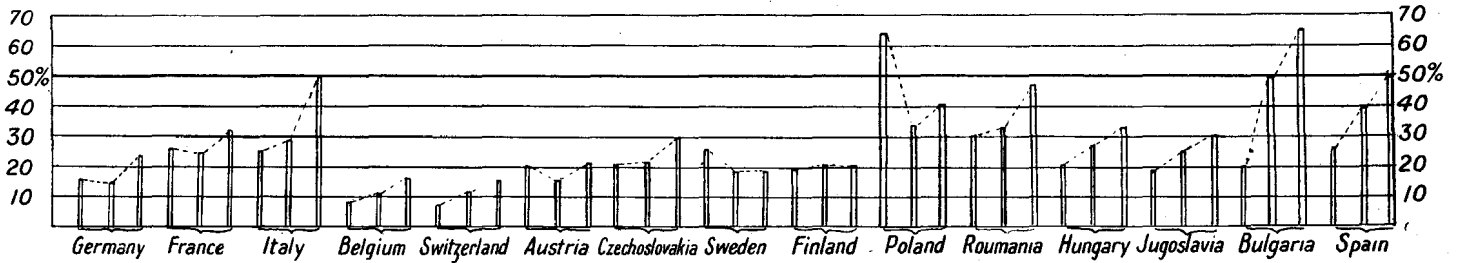


DIAGRAM B  
 Potential tariff levels in Europe, 1913, 1927, and 1931.  
 Semi-manufactured goods.  
 (Comp. pp. 178 ff. of text and Table IVA of Appendix.)

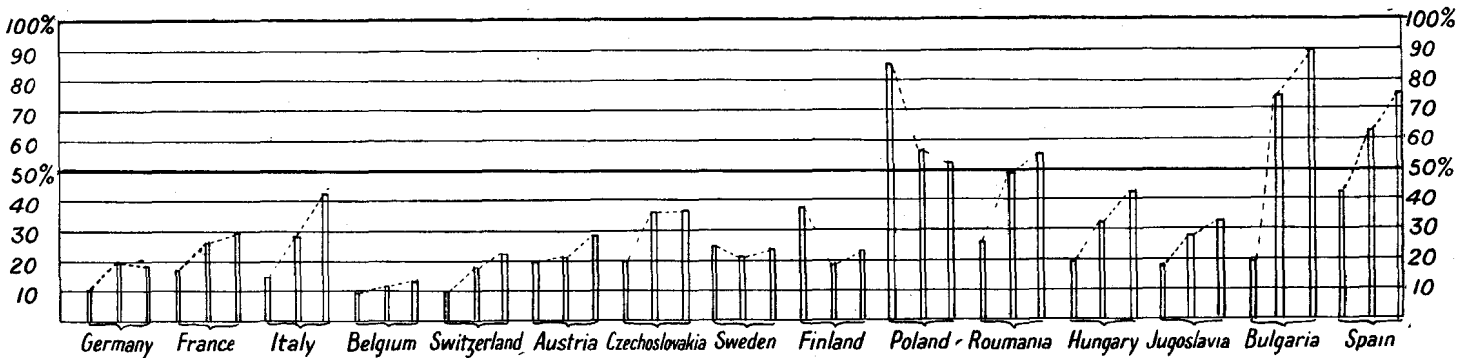


DIAGRAM C  
 Potential tariff levels in Europe, 1913, 1927, and 1931.  
 Manufactured goods.  
 (Comp. pp. 178 ff. of text and Table IVA of Appendix.)



TABLE IVB: GENERAL POTENTIAL TARIFF LEVELS  
IN EUROPE, 1913-31  
(Comp. pp. 340-345 of text)

Country	Absolute Height			1927 as % of 1913	1931 as % of 1913
	1913	1927	1931		
Germany . . .	16.7	20.4	40.7	122.0	244
France . . .	23.6	23.0	38.0	97.5	160
Italy . . .	24.8	27.8	48.3	112.0	195
Belgium . . .	14.2	11.0	17.4	77.5	122
Switzerland . . .	10.5	16.8	26.4	160.0	252
Austria * . . .		17.5	36.0	77.0	158
Czechoslovakia †	(22.8)	31.3	50.0	137.0	220
Sweden . . .	27.6	20.0	26.8	72.5	97
Finland . . .	35.0	31.8	48.2	91.0	134
Poland ‡ . . .	72.5	53.5	67.5	74.0	93
Roumania . . .	30.3	42.3	63.0	140.0	207
Hungary § . . .	(22.8)	30.0	45.0	131.0	197
Yugoslavia    . . .	22.2	32.0	46.0	144.0	207
Bulgaria . . .	22.8	67.5	96.5	296.0	420
Spain . . .	37.0	49.0	68.5	132.0	185

\* Austria, 1913 = Austria-Hungary, 1913.

† Czechoslovakia, 1913 = Austria-Hungary, 1913.

‡ Poland, 1913 = Russia, 1913.

§ Hungary, 1913 = Austria-Hungary, 1913.

|| Yugoslavia, 1913 = Serbia, 1913.

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## INDEX

(Authors already mentioned in the text or in the bibliography are not included.)

- Albania, unimportant as import market, 45.
- American Senate Inquiry, 1933 (World Trade Barriers), 110.
- American Tariff of 1930—  
and Czechoslovakia, 294.  
and France, 252, n. 1.  
and Germany, 363.  
and Italy, 131, 263.  
and Spain, 177-178.  
and Switzerland, 276.  
and international indebtedness, 363.
- Austria—  
customs tariff, 23.  
agrarian tariff policy, 79-81.  
industrial tariff policy, 140-142.  
and actual tariff levels in Europe, 277-285.
- Averages—  
problem of, 25-26, 35-36.  
of A-prices, 54-55.
- Balfour Committee, 239.
- Balfour Report, 18.
- Belgium—  
agrarian tariff policy, 73-76.  
industrial tariff policy, 133-136.
- "Border Europe" ("Rand-Europa," Agrarian Europe), 46, 146-147.
- States of, 48.
- Briand, M., and European tariff truce, 1929, 349.
- Brunet, M., 26.
- Bulgaria—  
agrarian tariff policy, 98-99.  
industrial tariff policy, 169-173.  
law of encouragement of industry, 169-170, 172.  
and actual tariff levels in Europe, 321-332.
- Capital, dislocation of and protectionism, 372.
- "Central Europe" ("Kern-Europa," Industrial Europe), 46, 57.
- States of, 47-48.
- Chamber of Commerce, International, Vienna Section, and study on tariff levels, 18, 21, 104.
- Chamberlain, J., 133.
- China, duties of, on cotton tissues, 239.
- Colijn, Dr., 351, 352, 353, 355, 361.
- Conference, Agrarian, in Warsaw, 1930, 350, 374.
- Conference, Economic, 1930 (17/2-24/3), 349.
- Conference, Economic, November 1930, 374.
- Customs Union between Belgium and Luxemburg, 134.
- Customs Union between Austria and Germany, 1931, 353.
- Czechoslovakia—  
and American Tariff of 1930, 294.  
and actual tariff levels in Europe, 285-294.  
agrarian tariff policy, 82-85.  
industrial tariff policy, 143-146.  
and Hungary, 30, 291-292.
- Debts, public, and "national recoveries," 7, 358.
- Degree of protectionism, 36-37.
- Délais, Mr., 46.
- Denmark—  
customs tariff of, 36.  
and actual tariff levels in Europe, 296-304.
- Duties—  
*ad valorem* d., 23, 27.  
autonomous d., 27.  
conventional d., 27.  
export d., 20.  
import d., 20.  
prohibitive d., 20 ff.  
protective d., 20 ff.  
revenue (fiscal) d., 20 ff.  
specific d., 23, 27.  
on corn, 107.  
on sugar, 108.

**Duties—**

- on iron and steel goods, 179-180.
- on chemical goods, 180.
- on semi-finished textile goods, 179-180.
- on finished textile goods, 180.

**Estonia—**

- small import market, 45.
- and actual tariff levels in Europe, 312-315.
- exchange, restrictions of, as trade barriers, 41.
- export statistics, official, as price sources, 24, 27, 31.

**Finland—**

- agrarian tariff policy, 88-90.
- industrial tariff policy, 150-153.
- and actual tariff levels in Europe, 304-312.

**Fordney McCumber tariff, 1922, 239.****France—**

- customs tariff, 23.
- agrarian tariff policy, 65-69.
- industrial tariff policy, 120-126.
- compulsory milling regulation, 40.
- prohibition of wine-mixing, 40.
- and actual tariff levels in Europe, 241-253.
- and American tariff of 1930, 252, n. 1.
- as "Empire" State, 377.

**Germany—**

- agrarian tariff policy, 56-65.
- industrial tariff policy, 113-120.
- and actual tariff levels in Europe, 201-226.
- and American tariff of 1930, 363.
- and tariff war with Poland, 30, 218-219.
- and reparations, 362.
- and compulsory milling regulation, 61.
- as "Regional" State, 377-378.

**Goods, finished, definition of, 114-115, n.****Graham, Mr., 350.****Great Britain—**

- tariff policy, 6.
- customs tariff, 23, 36.
- industrial tariff policy, 131-133.
- and actual tariff levels in Europe, 227-241.
- and abandonment of Gold Standard, 240-241.
- as "Empire" State, 377.

**Greece—**

- small import market, 45.
- import taxes beside tariffs, 40.
- and actual tariff levels in Europe, 332-339.

**Handels-Archiv, Deutsche, 30.****Hitler, Adolf, 219.****Holland—**

- customs tariff, 23, 36.
- and actual tariff levels in Europe, 296-304.
- and Economic Conference of November 1930, 351.
- as "Empire" State, 377.

**Hungary—**

- agrarian tariff policy, 95-96.
- industrial tariff policy, 162-166.
- and actual tariff levels in Europe, 321-332.
- and Czechoslovakia, 30.

**Import statistics, official, as price sources, 27-28, 31.****India—**

- tariff level of, 1924, and Great Britain, 239.
  - and duties on English cotton manufactures, 239.
- Industrialisation of agrarian countries, and tariffs, 113.**
- and exports of industrial countries, 184-186.
  - and industrial production in industrial countries, 374-376.

**Industries of capital goods and tariffs, 182.****Industries of consumers' goods and tariffs, 182.****Industries of consumption orientation and tariffs, 182, 370.****Industries of labour orientation and tariffs, 182, 370.****Industries of transportation orientation and tariffs, 370.****Integration, economic, of Europe, 19, 192-198.**

- spheres of, 196-198, 343-345.
- destruction of the spheres of, 376.
- and European protectionism, 381.

**Ireland—**

- small import market, 45.
- and exports to Great Britain, 340, n. 1.

**Italy—**

- agrarian tariff policy, 69-73.
- industrial tariff policy, 126-131.
- and actual tariff levels in Europe, 254-263.



- Italy—  
 and American tariff of 1930, 263.  
 subdivision of customs tariff, 32.  
 as "Regional" State, 377-378.  
 and Abyssinian War, 380.
- Kielce investigation (*Enquête*), 47.  
 agrarian index of, 105.
- Labour orientation, quantitative, of  
 industries, 182-183.
- Leener, Dr., 73.
- Lertland—  
 small import market, 45.  
 and actual tariff levels in Europe,  
 312-315.
- List of goods ("A-list"), 24, 49 ff.
- Lithuania—  
 small import market, 45.  
 and actual tariff levels in Europe,  
 312-315.
- Logie, G. K., Mr., 7.
- MacDonald, Mr., 133.
- McKenna, Mr., 131.
- Macmillan Committee, 240.
- Migration—  
 European, Sir Walter Layton on,  
 364.  
 and tariffs, 363-364.
- Most favoured nation principle—  
 in Europe till 1931, 27.  
 destruction of, 354, 356.
- Nationalism, economic—  
 condemned on World Economic  
 Conferences, 1927, 1933, 355,  
 359.
- Nederbragt, Dr., 352.
- Nola, di, Signor—  
 on the measurement of tariff  
 levels, 37.  
 on tariffs and emigration, 364.
- Norway—  
 customs tariff, 36.  
 and actual tariff levels in Europe,  
 304-312.
- Ottawa, Conference of, 1932, 377.
- Ouchy, Convention of, 1933, 354.
- Page, Mr., 37.
- Poland—  
 agrarian tariff policy, 90-93.  
 industrial tariff policy, 153-157.  
 and actual tariff levels in Europe,  
 315-320.  
 and tariff war with Germany, 30,  
 317-318.  
 as "Regional" State, 377.
- Portugal—  
 small import market, 45.  
 and actual tariff levels in Europe,  
 332-339.
- Preferential treaties between the  
 south-east States and Germany,  
 Austria, and France, 353.
- Prices—  
 problem of, 33-35.  
 "cif. prices," 27.  
 export prices, 33-35.  
 "normal" prices, 50.
- Progress, technical—  
 and tariffs, 360.  
 and commercial treaties, 361.  
 and price level, 367.
- Protection, administrative, 40.
- Quotas, as trade barriers, 41, 347.
- Rearmament, as cause of "national  
 recovery," 7, 358-359.
- Riedel, Dr., 284.
- Rockefeller Foundation, 7.
- Roosevelt, President, 354.
- Roumania—  
 agrarian tariff policy, 93-95.  
 industrial tariff policy, 157-162.  
 and actual tariff levels in Europe,  
 321-332.  
 Act to encourage home industry,  
 160-161.  
 industrial protectionism, 371-372.
- Runciman, Mr., 361.
- Sato, Mr., 37.
- Scandinavian States, customs tariffs  
 of, 23.
- Smuts, General, 379-380.
- Soviet Russia, foreign trade mono-  
 poly, 39.
- Spain—  
 agrarian tariff policy, 99-102.  
 industrial tariff policy, 173-178.  
 and actual tariff levels in Europe,  
 332-339.  
 and French prohibition of wine-  
 mixing, 337.  
 and American tariff of 1930, 177-  
 178.  
 and Law to encourage develop-  
 ment of industry, 40, 176-177.
- State and economics, 39-40.
- Stresemann, Dr., 348-349.
- Sweden—  
 agrarian tariff policy, 85-88.  
 industrial tariff policy, 147-150.  
 and actual tariff levels in Europe,  
 304-312.

## 424 TARIFFS AND THE ECONOMIC UNITY OF EUROPE

- Switzerland—  
 agrarian tariff policy, 76-79.  
 industrial tariff policy, 136-140.  
 and actual tariff levels in Europe,  
 269-277.  
 and American tariff, 1930, 276.  
 trade statistics of, 34.
- Tariffs—  
 assimilation of, 31.  
 and devaluation, 362.  
 and immigration, 363-364.  
 decreasing importance of, in post-  
 War time, 38-42.  
 and military aims, 365-366.  
 and fiscal needs, 366.  
 and location of industries, 181-  
 182, 369-370.  
 and preservation of peasantry,  
 365.  
 and reparations, 362.  
 subdivision of, 32-33.
- Tariff levels—  
 actual, 6, 28 ff., 189-191.  
 national index of actual tariff  
 levels, 29, 190.  
 limits of textual analysis of actual  
 tariff levels, 199-200.  
 height of actual tariff levels, 1860,  
 369.  
 potential tariff levels, 22 ff., 29.
- Tariff truce—  
 in Europe; 1929, 349-350.  
 in world, 1933, 354.
- Textile industries in Central Europe,  
 186.
- Theunis, President of World Eco-  
 nomic Conference, 1927, 379.
- Tournakis, Mr., on emigration and  
 tariff policy, 364.
- Trade, foreign (exports), share of,  
 in total output of industry or  
 agriculture—  
 Austria, 277.  
 Belgium, 264-265.  
 Czechoslovakia, 285-287.  
 Denmark, 298.  
 France, 243.  
 Germany, 213-214.  
 Great Britain, 298.  
 Greece, 332-333.  
 Hungary, 322.  
 Italy, 255.  
 Netherlands, 298.  
 Poland, 316.  
 Portugal, 332.  
 Roumania, 321.  
 Spain, 332.  
 Sweden, 306.  
 Switzerland, 270.
- Trendelenburg, Dr., 35.
- World Economic Conference, 1927,  
 5, 17, 18.  
 and industrial duties, 104.  
 against tariffs, 347-348.
- World Economic Conference, 1933,  
 354-355.
- World economic crisis (1929 ff.)—  
 and agrarian tariff levels, 106, 110.  
 and industrial tariff levels, 184.  
 and price levels, 342.
- World export of important indus-  
 trial goods and tariffs, 185.
- World trade, fall of, 1929-1935,  
 356-357.
- Yugoslavia—  
 agrarian tariff policy, 96-97.  
 industrial tariff policy, 166-169.  
 and actual tariff levels in Europe,  
 321-332.

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2008-04