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No. 15

THE NATIONAL INCOME AND ITS PURCHASING POWER

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## THE NATIONAL INCOME AND ITS PURCHASING POWER

By<br>WILLFORD ISBELL KING

OF THE STAFF OF THE
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INCORPORATED

Assisted by
Lillian Epstein

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1930

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1
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7-The results of any inquiry shall not be published except with the approval of at least a majority of the entire Board and a two-thirds majority of all those members of the Board who shall have voted on the proposal within the time fixed for the receipt of votes on the publication proposed; such limit shall be 45 days from the date of the submission of the synopsis and manuscript of the proposed publication, except that the Board may extend the limit in its absolute discretion, and shall upon the request of any member extend the limit for a period not exceeding 30 days.

- 8-A copy of this memorandum shall, unless otherwise determined by the Board, be printed in each copy of every work published by the Bureau.

Adopted Oct. 25, 1926.

## PREFACE

So far as the present writer is aware, no serious attempt was made by anyone to present an estimate of the aggregate income of our population until Dr. Charles B. Spahr published, in 1896, his book entitled The Present Distribution of Wealth in the United States. In 1912, Dr. Frank H. Streightoff set forth in the Columbia University Studies a careful analysis entitled The Distribution of Incomes in the United States, and, in 1915, the present writer followed with The Wealth and Income of the People of the United States.

These three publications represented careful attempts by individual students of the subject to get at the essential facts, but the preparation of any adequate analysis of the subject requires more labor than any one individual can devote to the task. So many questions pertaining to the economic welfare of the citizens and the political policy of the legislators hinge upon a knowledge of the facts concerning the distribution of income among different classes of citizens, that it is extremely important to have available figures which are as accurate as it is possible to obtain. It was with this situation in mind that the Directors of the National Bureau of Economic Research decided that the first study of the Bureau should be of the income of the people of the United States.

To guard against the possibility that one investigator might overlook vital points or go astray in his calculations, it was decided to make two independent calculations of the national totals. Dr. Oswald W. Knauth was instructed to make a computation using to the fullest extent possible the records of the Federal Income Tax authorities. The present writer was commissioned to base an estimate primarily upon the Census and data other than the Income Tax reports. The procedure used did not permit of a comparison of results until both estimates were complete. It was an exciting moment when the two sets of totals, each covering the years 1909 to 1918 inclusive, were brought together. All concerned were much gratified when it was discovered that the difference between the two estimates was in no year of much consequence.

The two estimates were scrutinized carefully by each of the members of the Board of Directors of the National Bureau-a Board representing many varied interests and points of view, and especially selected to guarantee impartiality in all the findings of
the Bureau. These Directors offered many valuable suggestions which were utilized in improving many individual items. Dr. Wesley C. Mitchell, Director of Research, drew up a report embodying the two estimates. The Board then voted unanimously to accept the estimates of the two investigators as fair and unbiased and reasonably close to the truth. The estimates were published in the two volumes entitled Income in the United States-Vol. I in 1921 and Vol. II in 1922.

The interest aroused by our first estimate of the aggregate income of the inhabitants of the United States led the Board of Directors to continue the work and expand its scope. As Dr. Knauth had resigned from the Bureau's Staff, the continuation fell to the present writer. The work has gone on steadily since 1922, employing most of the time from two to six research assistants and computers. The original estimates have been revised section by section. The figures for the years 1919, 1920 and 1921 were, in part, published in 1925 in the report entitled Income in the Various States.

The income of the people of a vast country like the United States is derived from a great variety of industries. It accrues in the form of wages, salaries, pensions, rent, interest, dividends, and profits of individuals. To estimate these various quantities for each industry, it is necessary to obtain information from a multitude of sources. The basic data are, in most cases, derived from the reports of the Bureau of the Census and the Bureau of Internal Revenue, but since these figures fail to cover many important industries, and too often appear at rather widely spread intervals, the gaps must be filled in from other sources. It has been necessary to collect material from the reports of the various Departments and Bureaus of the Federal Government, of the States and the Cities, and also to secure from many private agencies series of figures necessary to supplement the Government's data. Hundreds of individuals and organizations have assisted materially in this work. Among those who deserve especial mention are:

Mr. W. M. Steuart, Director of the Census
Mr. W. F. Callander, Bureau of Agricultural Economics
Dr. L. C. Gray, Bureau of Agricultural Economics
Dr. Max O. Lorenz, Interstate Commerce Commission
Dr. Julius H. Parmelee, Bureau of Railway Economics
Mr. Seymour L. Andrew, American Telephone \& Telegraph Co.
Mr. J. W. Rahde, Western Union Co.
Mr. Thomas H. Holden, F. W. Dodge Corporation

Dr. Paul H. Nystrom, Columbia University
Dr. O. C. Stine, Bureau of Agricultural Economics
In accordance with the National Bureau's regular procedure, the manuscript of this report was submitted to the scrutiny of the other members of the Research Staff. After all comments had been received and checked, the revised manuscript, with the recommendation of the Directors of Research, was submitted to the Board of Directors for formal review and approval for publication. Many helpful suggestions were received which led to improvements in the text of the study.

I am greatly indebted not only to the many outside agencies and persons who have furnished information and to those members of the National Bureau's Staff and Board who have helped with criticism, but also to the patience and faithfulness of my assistants.

While, in many fields, the present report goes into considerably greater detail than its predecessors, the really important new contribution which it presents is the study of that part of the income of investors derived from various classes of corporations. From the investor's standpoint, corporations are nothing more than intermediaries between industry and its owners. Investors have all too frequently discovered that reported corporate profits bear but a slight relationship to any profits which they can actually extract from their investments in corporate securities. This report is intended to give a financial picture, from the investor's viewpoint, of the results of corporate activity in the leading fields of industrysomething which, so far as the writer is aware, has never before been undertaken seriously. To arrive at the underlying facts has required the entire time of several assistants for three years. It is felt, however, that the new understanding of the facts concerning corporate profits is well worth the time and money expended.

Willford Isbell King.

## TABLE OF CONTENTS

Chapter Page
I. Introduction ..... 33
Income Studies First Work of National Bureau ..... 33
Purposes of Present Study of Income ..... 33
Reliability of Present Estimates ..... 34
Gains of Individuals from Corporate Profits ..... 34
The Mercantile Industry ..... 34
Necessity of Defining Income ..... 35
Total Book Income ..... 36
Computation of Total Book Income ..... 36
Book Income a Business Concept ..... 37
Book Income Affected by Changes in Property Values ..... 37
Estimating Property Values at Specified Dates ..... 38
Corporate Property Value Assumed to Equal Value of Corporate Secur- ities ..... 39
Calculating the Income of a Corporation-Controlled Industry ..... 39
Consumers' Price Indices Used as Deflators ..... 40
Property Values Very Unstable ..... 41
Effect Upon Owners of Changes in the Value of Their Property ..... 41
For Some Fields, Estimates of Property Values Are Very Unreliable ..... 42
Realized Income ..... 42
Chief Weaknesses in the Estimate of Total Realized Income ..... 43
Totals Refer to Individual Income ..... 4.3
II. The Industrial Classification of the Population ..... 44
Method of Estimating Population of United States ..... 44
Reliability of Information Underlying Population Estimates ..... 44
Reliability of Population Estimates ..... 45
Estimation of the Gainfully Occupied Population ..... 46
Population Growth, 1909-1928 ..... 46
Growth in Population 15 Years of Age and Over ..... 48
Growth in Gainfully Occupied Population ..... 48
Entrepreneurs, Salaried Employees, and Wage Workers ..... 48
Changes in Industrial Connections of Gainfully Occupied ..... 52
Rank of Industries in Man-Power ..... 55
Industrial Attachments of Wage Workers ..... 55
Salaried Employees and Entrepreneurs ..... 58
Industrial Attachments of Salaried Employees ..... 58
Industrial Attachments of Entrepreneurs ..... 62
The Decline of the Individual Entrepreneur ..... 64
III. Index Nümbers for Use as Deflators ..... 65
Dollar Has a Fluctuating Value ..... 65
Single Index Series Unsatisfactory as Deflator ..... 65
Upon What Commodities Should Deflating Index Be Based? ..... 66
Why Indices of the Prices of Consumers' Goods Are Used as Deflators ..... 66
Chapter Page
To Deflate the Income of Different Sections of the Population Different Index Numbers Are Required ..... 70
Nature of Five Series of Index Numbers . ..... 70
Comparative Movements of Five Index Series ..... 70
IV. Industrial Origin of Total Realized Income ..... 73
Imputed Income ..... 73
Items Omitted from the Realized Income Here Recorded ..... 75
Entire Realized Income in Current Dollars ..... 75
Shares in the Realized Income ..... 75
Entire Realized Income in Terms of 1913 Dollars . ..... 76
Share of Enterprise and Property Measured in 1913 Dollars ..... 78
Share of Employees Measured in 1913 Dollars ..... 79
Proportional Shares in Realized Income ..... 79
Percentage of Realized Income Going to Wages ..... 86
Per Capita Realized Income in Current Dollars ..... 86
Per Capita Realized Income of Gainfully Occupied ..... 88
Average Wages and Average Salaries ..... 88
Per Capita Income in 1913 Dollars ..... 88
Average Wages and Average Salaries in 1913 Dollars ..... 90
Comparison of Salary and Wage Levels ..... 92
Total Realized Income in Current Dollars Derived from Each Indus- try ..... 96
Relative Ranking of Industries as Producers of Realized Income ..... 98
The Entire Realized Income Measured in 1913 Dollars ..... 102
V. The Share of Property and Enterprise ..... 107
Realized Enterpreneurial and Property Income by Industries ..... 107
Realized Entrepreneurial and Property Income in 1913 Dollars ..... 112
VI. The Share of the Employees ..... 120
Absolute Share of Employees in Each Industry ..... 120
Percentage of Entire Realized Income Received by Employees ..... 120
Purchasing Power of Absolute Share of Employees by Industries ..... 121
Wage Totals in Current Dollars by Industries ..... 124
Wage Totals in 1913 Dollars by Industries ..... 130
Salary Totals Compared with Wage Totals ..... 137
Salary Totals in Current Dollars by Industries ..... 138
Salary Totals in 1913 Dollars by Industries ..... 139
Average Earnings of Employees Attached to Industry ..... 144
Average Earnings in Current Dollars of Wage Workers Attached to Industry ..... 144
Average Earnings in 1913 Dollars of Wage Workers Attached to Industry ..... 153
Average Earnings in Current Dollars of Salaried Employees Attached to Industry ..... 157
Average Earnings in 1913 Dollars of Salaried Employees Attached to Industry ..... 163
Chapter ..... Page
VII. Changes in Concentration of Income ..... 170
Procedure in Estimating Distribution of Income ..... 170
Distribution of Individual Incomes Measured in 1913 Dollars ..... 173
Shifts in the Distribution of Income Recipients ..... 174
The Apportionment Among Income Classes of Total Realized Income Measured in 1913 Dollars ..... 176
Changes in Apportionment of Aggregate Income ..... 180
VIII. Dividends and Interest on Corporate Funded Debt ..... 181
Gross Dividends Actually Paid . ..... 181
Total Interest on Funded Debt Actually Received by Individuals ..... 184
Total Dividends on Preferred Stock Received by Individuals ..... 188
Total Dividends on Common Stock Received by Individuals ..... 190
Totals of Net Interest on Funded Debt and Net Dividends, as Mea- sured in 1913 Dollars ..... 191
Changes in Fractions Which Interest and Dividends Constitute of Total Realized Income ..... 195
Total Par Values of Funded Debt and Preferred Stock ..... 195
Ratio of Interest Paid to Par Value of Funded Debt ..... 201
Ratio of Dividend Payments to Par Value of Preferred Stock ..... 202
IX. The Values of Corporations to Their Owners ..... 204
The Process of Valuing Corporate-Controlled Industries ..... 204
Causes for Fluctuations in Values of Industries ..... 205
Industries Valued in Terms of Direct Goods ..... 207
Changes in the Real Value of Industries ..... 208
Forces Causing the Value of an Industry to Change ..... 210
Estimation of Positive and Negative "New Money" ..... 210
New Money Measured in Current Dollars ..... 215
New Money Measured in 1913 Dollars ..... 215
Gains Above New Money in the Values of Industries ..... 217
The Total Income of the Inhabitants ..... 222
X. Gains and Losses of Investors in Each of the Three Classes of Securities ..... 225
The Net Funded Debt Valued in Current Dollars ..... 225
The Net Preferred Stock Valued in Current Dollars ..... 226
The Net Common Stock Valued in Current Dollars ..... 228
The Effect of Security Conversion upon Estimates of New Money ..... 230
Investments of New Money in Funded Debt (Current Dollars) ..... 230
Investments of New Money in Preferred Stock (Current Dollars) ..... 231
Investments of New Money in Common Stock (Current Dollars) ..... 232
The Net Funded Debt Valued in 1913 Dollars ..... 234
The Net Preferred Stock Valued in 1913 Dollars ..... 237
The Net Common Stock Valued in 1913 Dollars ..... 237
New Money for Funded Debt (1913 Dollars) . ..... 239
New Money for Preferred Stock (1913 Dollars) ..... 240
New Money for Common Stock (1913 Dollars) ..... 241
Reasons for Changes in the Aggregate Value of Securities ..... 243
Chapter Page
Gain Above New Money in Value of Funded Debt (1913 Dollars) ..... 243
Gain Above New Money in Value of Funded Debt (Current Dollars) ..... 245
Gain Above New Money in Value of Preferred Stock (1913 Dollars) ..... 246
Gain Above New Money in Value of Preferred Stock (Current Dollars) ..... 247
Gain Above New Money in Value of Common Stock (1913 Dollars) ..... 247
Gain Above New Money in Value of Common Stock (Current Dollars) ..... 250
Gains in 1913 Dollars Accruing to Security Holders ..... 250
Gains Accruing to All Holders of Funded Debt Combined ..... 251
Gains Accruing to All Holders of Preferred Stock Combined ..... 253
Gains Accruing to All Holders of Common Stock Combined ..... 253
Gains of All Security Holders Measured in Current Dollars ..... 256
Current Method of Calculating Per Cent of Annual Gain ..... 258
Percentages of Gains and Losses Accruing to Holders of Funded Debt ..... 260
Percentages of Gains and Losses Accruing to Holders of Preferred Stock ..... 263
Percentages of Gains and Losses Accruing to Holders of Common Stock ..... 264
Percentages of Gains and Losses Accruing to Holders of Railway Stocks ..... 268
New Money Invested in and Dividends Derived from Railway Stocks ..... 270
Average Prices of All Units of Funded Debt (Current Dollars) ..... 270
Average Prices of All Shares of Preferred Stock (Current Dollars) ..... 270
Average Values of All Units of Funded Debt (1913 Dollars) ..... 272
Average Value of All Shares of Preferred Stock (1913 Dollars) ..... 275
Theoretical Effect of Corporate Saving Upon Value of Industry ..... 277
Net Incomes Reported for Various Industries ..... 277
Corporate Savings as Actually Related to Gains in Value of Industries ..... 279
Percentage of Reported Corporate Income Saved ..... 287
XI. Facts Bearing on Agricultural Income ..... 291
Changes in the Total Physical Productivity of Agriculture ..... 291
Relative Importance of Different Agricultural Products ..... 291
Variations in Total Acreage Harvested ..... 292
Effect of Tractors and Automobiles on Acreage Cultivated ..... 295
Cultivated Acreage per Farmer ..... 295
Physical Product per Acre Cultivated ..... 296
Physical Product per Farmer ..... 296
Agricultural Output per Inhabitant of the United States ..... 297
Value of Business Property Devoted to Agriculture ..... 299
Sources of Agricultural Income . ..... 301
Payments by Agriculture to Other Industries ..... 304
Total Realized Income of Agriculture ..... 304
Realized Income of Entrepreneurs and Other Property Owners ..... 304
Entire Realized Income of Farmers (1913 Dollars) ..... 307
Realized Income per Farmer ( 1913 Dollars) ..... 307
Changes in the Real Value of Farm Property ..... 309
Comparison of Realized and Total Income of Farmers ..... 310
Entrepreneurial Return of Farm Families ..... 311
Percentage Return on Farmers' Investments ..... 312
Chapter Page
XII. Factors Relating to Income from Mines, Quarries, and Oil Wells ..... 315
Ratio of Interest Payments on Funded Debt to Its Par Value ..... 315
Ratio of Dividend Payments on Preferred Stock to Its Par Value ..... 315
Output and Earnings of Coal Mine Employees ..... 318
Tendency Toward Centralized Ownership of Mineral Properties. ..... 321
XIII. Factors Relating to the Income Derived from Manufacturing ..... 326
Centralized Ownership in Manufacturing ..... 326
Ratio for Funded Debt of Interest Payments to Par Value ..... 329
Ratio for Preferred Stock of Dividend Payments to Par Value ..... 329
XIV. Factors Related to the Income of the Construction Industry ..... 334
Trend of the Total Value of Construction ..... 334
Trend of the Physical Volume of Construction ..... 334
Relationship of Construction to Population ..... 336
Relationship of Construction to Population Growth ..... 338
XV. Factors Related to Income in Transportation ..... 339
Trends of Railway Freight and Passenger Traffic ..... 339
Transportation Output per Railway Employee ..... 340
Output of Pullman Service per Employee and per Inhabitant ..... 343
Service of Street Railways per Employee and per Inhabitant ..... 345
Electric Output per Employee and per Inhabitant ..... 347
Telephone Service per Employee and per Inhabitant ..... 348
Size of Merchant Marine Compared to Population ..... 353
XVI. Banking Transactions as Related to Income ..... 355
Bank Credit and Realized Income ..... 355
Ratio to Total Realized Income of Debits to. Private Accounts ..... 357
XVII. Government as a Factor in National Income ..... 360
The Number of Persons Employed by Government ..... 360
Salaries of Employees of Various Branches of Government ..... 364
Pensions and Gratuities Paid by Various Branches of Government ..... 368
Interest Paid by Various Branches of Government ..... 368
Income Drawn by Individuals from Various Branches of Government ..... 371
XVIII. Merchandising as Related to Entire Realiged Income ..... 372
Estimating the Volume of Sales at Wholesale and Retail ..... 372
Values of Goods Sold at Wholesale and Retail ..... 375
Relation of Retail Sales to Entire Realized Income ..... 376
Per Capita Sales in Dollars of 1913 ..... 377
XIX. General Facts Related to Income ..... 378
Place of Residence and Value of Residential Property ..... 378
Miscellaneous Items of Income ..... 379
Magnitude of Errors in Estimates ..... 380

## LIST OF TABLES

Table Page
I. Estimates of the Population of the Continental United States ..... 47
II. Estimated Apportionment Among Different Industries of the Total Population Normally Engaged in Gainful Occupations ..... 50
III. Estimated Percentage of the Gainfully Occupied Population En- gaged in Each of the Leading Industries ..... 53
IV. Estimated Numbers of Wage Workers Attached to the Various In- dustries ..... 56
V. Estimated Numbers of Salaried Employees Attached to the Various Industries ..... 60
VI. Estimated Numbers of Entrepreneurs Attached to the Various In- dustries ..... 62
VII. Estimated Indices of the Average Prices of Direct or Consumption Goods Used by Different Classes of the Population ..... 68
VIII. Estimated Realized Income of the People of the Continental United States ..... 74
IX. Purchasing Power, in 1913 Dollars, of Estimated Realized Income of the People of the Continental United States ..... 77
X. Estimated Percentages of the Entire Realized Income of the People of the Continental United States Obtained from Various Sources. ..... 80
XI. Estimated Apportionment of the Entire Realized Income Received by Individuals from Certain Industries Dominated by Corpora- tions ..... 84
XII. Estimated Per Capita Receipts for Various Classes of Individuals ..... 87
XIII. Comparative Full-Time Annual Pay of Different Classes of Em- ployees in Certain Industries Dominated by Corporations ..... 93
XIV. Entire Realized Income Drawn by Individuals from the Various Industries ..... 94
XV. Per Cent of Entire Realized Income Drawn by Individuals from the Various Industries ..... 98
XVI. Purchasing Power, in 1913 Dollars, of the Entire Realized Income Drawn by Individuals from the Various Industries ..... 100
XVII. Realized Income Drawn by Entrepreneurs and Other Property Owners from the Various Industries ..... 108
XVIII. Purchasing Power, in 1913 Dollars, of the Realized Income Drawn by Entrepreneurs and Other Property Owners from the Various Industries ..... 112
XIX. Total Wages, Salaries, Pensions, Compensation for Injuries, Etc., Received by Employees from the Various Industries ..... 122
XX. Per Cents Which Total Amounts Received by Employees as Wages, Salaries, Pensions, Etc., Constitute of the Entire Realized Income Drawn by Individuals from the Various Industries ..... 124
XXI. Purchasing Power, in 1913 Dollars, of Total Wages, Salaries, Pen- sions, Compensation for Injuries, Etc., Received by Employees from the Various Industries ..... 130
Table Page
XXII. Total Wages Drawn by Employees from the Various Industries ..... 132
XXIII. Purchasing Power, in 1913 Dollars, of Total Wages Drawn by Em- ployees from the Various Industries ..... 136
XXIV. Total Salaries Drawn by Employees from the Various Industries. ..... 138
XXV. Purchasing Power, in 1913 Dollars, of Total Salaries Drawn by Employees from the Various Industries ..... 140
XXVI. Average Annual Earnings of Wage Workers Attached to the Various Industries ..... 146
XXVII. Purchasing Power, in 1913 Dollars, of Average Annual Earnings of Wage Workers Attached to the Various Industries . ..... 152
XXVIII. Average Annual Earnings of Salaried Employees Attached to the Various Industries ..... 158
XXIX. Purchasing Power, in 1913 Dollars, of Average Annual Earnings of Salaried Employees Attached to the Various Industries . ..... 164
XXX. Approximate Numbers of Persons Reporting to the Federal Gov- ernment Incomes Above the Amounts Specified as Measured in 1913 Dollars and the Total Income of Each Class ..... 171
XXXI. Approximate Numbers of Persons and Amounts of Income In- dicated by the Federal Tax Returns as Falling Between the Amounts Specified Measured in 1913 Dollars ..... 172
XXXII. Percentages of All Individual Income Recipients in the United States Reporting to the Federal Authorities Incomes Between the Limits Specified ..... 173
XXXIII. Percentages of the Entire Realized Income of All the Inhabitants of the United States Constituted by the Amounts Reported to the Federal Government ..... 178
XXXIV. Estimated Gross Dividends on Preferred Stock Paid Out By Various Classes of Corporations ..... 182
XXXV. Estimated Gross Dividends on Common Stock Paid Out by Various Classes of Corporations ..... 184
XXXVI. Estimated Net Interest on Funded Debt Paid to Individuals by Various Classes of Corporations ..... 186
XXXVII. Estimated Net Dividends on Preferred Stock Received by In- dividuals from Various Classes of Corporations ..... 189
XXXVIII. Estimated Net Dividends on Common Stock Received by In- dividuals from Various Classés of Corporations ..... 191
XXXIX. Relative Importance of the Contributions Made by Dividends and Interest on the Funded Debt of Corporations to the Real- ized Income of Individuals ..... 196
XL. Estimated Total for All Corporations in the Given Industry of the Par Value of the Gross Funded Debt Outstanding on the Aver- age During the Year ..... 199
XLI. Estimated Total for All Corporations in the Given Industry of the Par Value of the Gross Preferred Stock Outstanding on the Average During the Year . ..... 200
XLII. Ratio of the Total Interest Paid on the Funded Debt of All Cor- porations in the Industry to the Total Par Value of that Debt. ..... 201
Table ..... Page
XLIII. Ratio of the Total Dividends Paid Thereon to the Total Par Value of the Preferred Stock of All Corporations in the Industry ..... 203
XLIV. Total Market Value at Close of Year of the Property Rights of Individual Security Owners in Industries Dominated by Cor- porations ..... 206
XLV. Command Over Direct or Consumers' Goods, at 1913 Prices, Given to Individual Security Owners by the Total Market Value of Their Property Rights in Industries Dominated by Corporations. ..... 209
XLVI. Estimated Net New Money Invested by Individual Security Owners in Industries Dominated by Corporations ..... 214
XLVII. Value, in 1913 Dollars, of the Estimated Net New Money In- vested by Individual Security Owners in Industries Dominated by Corporations . ..... 216
XLVIII. Gains, Above New Money Invested, in Value to Individuals, in Terms of 1913 Dollars, of Their Property Rights in Industries Dominated by Corporations ..... 218
XLIX. Gains, Above New Money Invested, in Value to Individuals, in Terms of Current Dollars, of Their Property Rights in Industries Dominated by Corporations ..... 219
L. Rough Estimate of Net Gains to Individuals, in Terms of 1913 Dollars, Arising from Increases in the Value of Their Property Rights in Various Industries ..... 220
LI. Rough Estimate of Net Gains to Individuals, in Terms of Current Dollars, Arising from Increases in the Value of Their Property Rights in Various Industries ..... 221
LII. Estimated Total Income of the People of the Continental United States Including Increases in the Total Value of Private Prop- erty ..... 222
LIII. Estimated Market Value at Close of Year of That Part of the Cor- porate Funded Debt Which Was in the Hands of Individuals ..... 226
LIV. Estimated Market Value at Close of Year of That Part of the Pre- ferred Stock of Corporations Which Was in the Hands of In- dividuals ..... 227
LV. Estimated Market Value at Close of Year of That Part of the Common Stock of Corporations Which Was in the Hands of In- dividuals ..... 229
LVI. Estimated Net New Money Invested by Individuals in the Funded Debt of Corporations ..... 231
LVII. Estimated Net New Money Invested by Individuals in the Pre- ferred Stock of Corporations ..... 232
LVIII. Estimated Net New Money Invested by Individuals in the Com- mon Stock of Corporations ..... 233
LIX. Market Value, in 1913 Dollars, of That Part of the Corporate Funded Debt Which Was in the Hands of Individuals ..... 235
LX. Market Value, in 1913 Dollars, of That Part of the Preferred Stock of Corporations. Which Was in the Hands of Individuals ..... 236
LXI. Market Value, in 1913 Dollars, of That Part of the Common Stock of Corporations Which Was in the Hands of Individuals ..... 238
Table Page
LXII. Value, in 1913 Dollars, of the Net New Money Invested by In- dividuals in the Funded Debt of Corporations ..... 240
LXIII. Value, in 1913 Dollars, of the Net New Money Invested by In- dividuals in the Preferred Stock of Corporations ..... 241
LXIV. Value, in 1913 Dollars, of the Net New Money Invested by In- dividuals in the Common Stock of Corporations. ..... 242
LXV. Purchasing Power, in 1913 Dollars, of Those Net Gains to Holders of the Funded Debt Arising from Increases in the Market Value of the Securities ..... 244
LXVI. Net Gains, in Terms of Current Dollars, to Holders of the Funded Debt Arising from Increases in the Market Value of the Se- curities ..... 245
LXVII. Purchasing Power, in 1913 Dollars, of Those Net Gains to Holders of the Preferred Stock Arising from Increases in the Market Value of the Stock ..... 246
LXVIII. Net Gains, in Terms of Current Dollars, to Holders of the Pre- ferred Stock Arising from Increases in the Market Value of the Stock ..... 248
LXIX. Purchasing Power, in 1913 Dollars, of Those Net Gains to Holders of the Common Stock Arising from Increases in the Market Value of the Stock ..... 249
LXX. Net Gains, in Terms of Current Dollars, to Holders of the Common Stock Arising from Increases in the Market Value of the Stock ..... 250
LXXI. Purchasing Power, in 1913 Dollars, of Net Gains, Including In- terest Receipts, Accruing to Holders of the Funded Debt ..... 251
LXXII. Purchasing Power, in 1913 Dollars, of Net Gains, Including Divi- dends, Accruing to Holders of Preferred Stock ..... 254
LXXIII. Purchasing Power, in 1913 Dollars, of Net Gains, Including Divi- dends, Accruing to Holders of Common Stock ..... 256
LXXIV. Total Net Gains, Including Interest Receipts, Accruing to Holders of the Funded Debt ..... 258
LXXV. Total Net Gains, Including Dividends, Accruing to Holders of Preferred Stock ..... 259
LXXVI. Total Net Gains, Including Dividends, Accruing to Holders of Common Stock ..... 260
LXXVII. Per Cent Gain on Market Value of Investment at Beginning of Year Accruing during Year to Holders of Bonds and Mortgages ..... 261
LXXVIII. Per Cent Gain on Market Value of Investment at Beginning of Year Accruing during Year to Holders of Preferred Stock ..... 264
LXXIX. Per Cent Gain on Market Value of Investment at Beginning of Year Accruing during Year to Holders of Common Stock . ..... 266
LXXX. Gains, Measured in 1913 Dollars, Accruing to All Stockholders of Railway, Switching, and Terminal Companies ..... 268
LXXXI. Gains Accruing to All Stockholders of Railway, Switching, and Terminal Companies ..... 269
LXXXII. Average Market Price Per $\$ 100$ Unit of Funded Debt Outstanding at Close of Year ..... 271
Table Page
LXXXIII. Average Market Price Per $\$ 100$ Unit of Preferred Stock Out- standing at Close of Year ..... 272
LXXXIV. Purchasing Power, in 1913 Dollars, of Price of Average $\$ 100$ Unit of Funded Debt Outstanding at Close of Year ..... 273
LXXXV. Purchasing Power, in 1913 Dollars, of Price of Average $\$ 100$ Unit of Preferred Stock Outstanding at Close of Year ..... 275
LXXXVI. Total Net Income of Corporations in Various Industries as Es- timated on the Basis of Corporate Reports ..... 278
LXXXVII. Total Savings of Corporations in Various Industries as Esti- mated on the Basis of Corporate Reports ..... 280
LXXXVIII. Comparison for Two Industries of Increases in the Total Value of the Common Stock and the Corporate Savings as Indicated by the Reports to the Stockholders ..... 281
LXXXIX. Comparison of Increases in the Total Value of the Capital Stock and the Corporate Savings of Railway, Switching, and Terminal Companies ..... 283
XC. Per Cent of Their Net Income Saved by Corporations in Various Industries as Estimated on the Basis of Corporate Reports ..... 285
XCI. Per Cent of Their Net Income Saved by Groups of Sample Cor- porations Representing the Various Branches of Manufacturing as Estimated on the Basis of Corporate Reports ..... 288
XCII. Estimated Net Value of All Agricultural Products Had Average Price of Each Product in Period 1909-1913 Prevailed Through- out ..... 293
XCIII. Net Value at Average Prices of 1909-1913 of Total. Farm Products Per Acre, Per Farmer and Per Capita ..... 297
XCIV. Value of Business Property Devoted to Agriculture. ..... 300
XCV. Net Receipts of Agriculture from Various Sources ..... 302
XCVI. Payments for Business Purposes Made by Agriculture to Other Industries ..... 305
XCVII. Realized Income of the Agricultural Industry ..... 306
XCVIII. Realized Income of Farmers ..... 308
XCIX. Total Income of Farmers ..... 310
C. Two Hypothetical Apportionments of the Agricultural Income of Farmers ..... 312
CI. Ratio of the Total Interest Actually Paid on the Funded Debt to the Total Funded Debt Outstanding in a Sample Group of Cor- porations in Each of the Specified Branches of Mining ..... 316
CII. Ratio of the Total Dividends Actually Paid on the Preferred Stock to the Total Par Value of That Class of Stock Outstanding in a Sample Group of Corporations in Each of the Specified Branches of Mining ..... 317
CIII. Production and Earnings Per Employee in the Coal Industry ..... 319
CIV. Bond Interest, Dividend Payments, and Reported Net Income of 20 Giant Mining Corporations. ..... 322
CV. Percentages of the Net Income and Disbursements to Capital for All Mining Corporations Comprised in the Corresponding Items Representing 20 Giant Corporations ..... 323
Table Page
CVI. Bond Interest, Dividend Payments and Reported Net Income of 20 Giant Manufacturing Corporations ..... 327
CVII. Percentages of the Net Income and Disbursements to Capital for All Manufacturing Corporations Comprised in the Corresponding Items Representing 20 Giant Corporations ..... 328
CVIII. Ratio of the Total Interest Actually Paid on the Funded Debt to the Total Funded Debt Outstanding in a Sample Group of Cor- porations in Each of the Specified Branches of Manufacturing ..... 330
CIX. Ratio of the Total Dividends Actually Paid on the Preferred Stock to the Total Par Value of That Class of Stock Outstanding in a Sample Group of Corporations in Each of the Specified Branches of Manufacturing ..... 332
CX. Estimated Total Value of Construction ..... 335
CXI. Total Value of Construction in Dollars of 1913 Purchasing Power ..... 336
CXII. Volume of Railway Service Per Employee and Per Capita ..... 340
CXIII. Physical Service Rendered Per Employee Attached to the Pullman Business ..... 342
CXIV. Pullman Car Mileage Per Capita ..... 343
CXV. Estimated Revenue Car Mileage Per Employee and Per Capita for Street and Interurban Railways ..... 345
CXVI. Number of Kilowatt Hours Per Employee and Per Capita Pro- duced by Private and Municipal Electric Light and Power Plants ..... 347
CXVII. Estimates of Changes in the Physical Output Per Employee At- tached to the Telephone Industry ..... 349
CXVIII. Estimated Volume of Telephone Service Per Inhabitant. ..... 350
CXIX. The Tonnage of the American Merchant Marine as Compared to the Population of the Continental United States ..... 352
CXX. Bank Activity Compared with the Realized Income of the People of the Continental United States ..... 356
CXXI. Bank Activity Compared with the Total Income of the People of the Continental United States . ..... 358
CXXII. Estimated Numbers of Persons Attached to the Various Branches of Government in the Continental United States ..... 361
CXXIII. Estimated Total Amounts Disbursed by the Various Branches of Government in Direct Payment for the Services of Employees . ..... 364
CXXIV. Estimated Average Annual Pay of Employees in Various Branches of Government Service in the Continental United States ..... 365
CXXV. Purchasing Power, in 1913 Dollars, of the Average Annual Pay of Employees in Various Branches of Government Service in the Continental United States ..... 366
CXXVI. Approximate Amounts of Pensions and Gratuities Paid Out by the Various Branches of Government in the Continental United ..... 369StatesCXXVII. Estimated Interest Payments Made by All Branches of Govern-ment in the Continental United States.370
CXXVIII. Amounts and Percentages of the Entire Realized Income of In- dividuals Received from Each Branch of Government ..... 371
LIST OF TABLES ..... 25
Table Page
CXXIX. Estimated Total Value of the Various Classes of Commodities Sold by Wholesalers to Retailers ..... 373
CXXX. Estimated Total Value of the Various Classes of Commodities Sold by Retail Merchants to Their Customers ..... 374
CXXXI. Rough Estimates of the Percentages of Entire Realized Income Paid to Retailers and of Real Value of Sales Per Capita ..... 376
CXXXII. Estimated Population Residing in Owned and Leased Homes and the Value of Such Homes ..... 378
CXXXIII. A Summary of the Estimates of Income from Miscellaneous Sources ..... 379

## LIST OF CHARTS

Chart Page

1. Estimates of the Population of the Continental United States ..... 49
2. Estimated Apportionment Among Different Industries of the Total Popula- tion Normally Engaged in Gainful Occupations ..... 54
3. Estimated Numbers of Employees Attached to the Various Industries ..... 59
4. Estimated Numbers of Entrepreneurs Attached to the Various Industries ..... 63
5. Indices of the Prices of Consumption Goods ..... 71
6. Estimated Realized Income of the People of the Continental United States ..... 81
7a. Estimated Per Capita Receipts for Various Classes of Individuals ..... 89
7b. Estimated Per Capita Receipts for Various Classes of Individuals ..... 91
7. Entire Realized Income Drawn by Individuals from the Various Industries ..... 97
8. Purchasing Power, in 1913 Dollars, of the Entire Realized Income Drawn by Individuals from the Various Industries ..... 103
10a. Purchasing Power, in 1913 Dollars, of the Entire Realized Income Drawn by Individuals from the Various Industries ..... 105
10b. Purchasing Power, in 1913 Dollars, of the Entire Realized Income Drawn by Individuals from the Various Industries ..... 106
9. Realized Income Drawn by Entrepreneurs and Other Property Owners from the Various Industries . ..... 111
12a. Purchasing Power, in 1913 Dollars, of the Realized Income Drawn by Entre- preneurs and Other Property Owners from the Various Industries ..... 115
12b. Purchasing Power, in 1913 Dollars, of the Realized Income Drawn by Entre- preneurs and Other Property Owners from the Various Industries ..... 116
10. Purchasing Power, in 1913 Dollars, of the Realized Income Drawn by Entre- preneurs and Other Property Owners from the Various Industries ..... 119
11. Total Wages, Salaries, Pensions, Compensation for Injuries, etc., Received by Employees from the Various Industries ..... 126
15a. Pér Cents Which Total Amounts Received by Employees as Wages, Salaries, Pensions, etc., Constitute of the Entire Realized Income Drawn by In- dividuals from the Respective Industries ..... 127
15b. Per Cents Which Total Amounts Received by Employees as Wages, Salaries, Pensions, etc., Constitute of the Entire Realized Income Drawn by Indi- viduals from the Respective Industries ..... 128
15c. Per Cents Which Total Amounts Received by Employees as Wages, Salaries, Pensions, etc., Constitute of the Entire Realized Income Drawn by Indi- viduals from the Respective Industries ..... 129
12. Purchasing Power, in 1913 Dollars, of Total Wages, Salaries, Pensions, Com- pensation for Injuries, etc., Received by Employees from the Various In- dustriés ..... 134
13. Total Wages Drawn by Employees from the Various Indiustries ..... 135
14. Purchasing Power, in 1913 Dollars, of Total Wages Drawn by Employees from the Various Industries ..... 142
15. Total Salaries Drawn by Employees from the Various Industries ..... 143
16. Purchasing Power, in 1913 Dollars, of Total Salaries Drawn by Employees from the Various Industries ..... 145
Chart Page
21a. Average Annual Earnings of Wage Workers Attached to the Various Indus- tries ..... 148
21b. Average Annual Earnings of Wage Workers Attached to the Various Indus- tries ..... 149
21c. Average Annual Earnings of Wage Workers Attached to the Various Indus- tries ..... 150
22a. Purchasing Power, in 1913 Dollars, of Average Annual Earnings of Wage Workers Attached to the Various Industries ..... 154
22b. Purchasing Power, in 1913 Dollars, of Average Annual Earnings of Wage Workers Attached to the Various Industries ..... 155
22c. Purchasing Power, in 1913 Dollars, of Average Annual Earnings of Wage Workers Attached to the Various Industries ..... 156
23a. Average Annual Earnings of Salaried Employees Attached to the Various Industries ..... 160
23b. Average Annual Earnings of Salaried Employees Attached to the Various Industries ..... 161
23c. Average Annual Earnings of Salaried Employees Attached to the Various Industries ..... 162
24a. Purchasing Power, in 1913 Dollars, of Average Annual Earnings of Salaried Employees Attached to the Various Industries ..... 167
24b. Purchasing Power, in 1913 Dollars, of Average Annual Earnings of Salaried Employees Attached to the Various Industries ..... 168
24c. Purchasing Power, in 1913 Dollars, of Average Annual Earnings of Salaried Employees Attached to the Various Industries ..... 169
17. Relative Proportions of All Recipients of Income in the United States in 1926 Having Incomes of the Classes Specified ..... 175
18. Percentages of Individual Income Recipients Included Between Fixed Income Limits ..... 177
19. Relative Proportions of the Realized Income of All the People Received by Persons Having Incomes of the Classes Specified ..... 179
20. Estimated Net Interest on Funded Debt Paid to Individuals by Various Classes of Corporations ..... 187
21. Estimated Net Dividends on Capital Stock Received by Individuals from Various Classes of Corporations ..... 192
22. Purchasing Power, in 1913 Dollars, of Net Interest and Net Dividends Re- ceived by Individuals from Various Classes of Corporations ..... 194
23. Relative Importance of the Contributions Made by Dividends and Interest on the Funded Debt of Corporations ..... 197
32a. Command Over Direct or Consumers' Goods, at 1913 Prices, Given to In- dividual Security Owners by the Total Market Value of Their Property Rights in Industries Dominated by Corporations ..... 211
32b. Command Over Direct or Consumers' Goods, at 1913 Prices, Given to In- dividual Security Owners by the Total Market Value of Their Property Rights in Industries Dominated by Corporations ..... 212
24. Comparison of Total Income, Including Increases in the Total Value of Private Property, and Entire Realized Income of the People of the Con- tinental United States ..... 223
Chart Page
25. Purchasing Power, in 1913 Dollars, of Net Gains, Including Interest Re- ceipts, Accruing to Holders of the Funded Debt ..... 252
26. Purchasing Power, in 1913 Dollars, of Net Gains, Including Dividends, Accruing to Holders of Preferred Stock ..... 255
27. Purchasing Power, in 1913 Dollars, of Net Gains, Including Dividends, Accruing to Holders of Common Stock ..... 257
28. Per Cent Gain on Market Value of Investment at Beginning of Year Accruing During Year to Holders of Bonds and Mortgages ..... 262
29. Per Cent Gain on Market Value of Investment at Beginning of Year Accruing During Year to Holders of Preferred Stock ..... 265
30. Per Cent Gain on Market Value of Investment at Beginning of Year Accruing During Year to Holders of Common Stock ..... 267
31. Purchasing Power, in 1913 Dollars, of Price of Average $\$ 100$ Unit of Funded Debt Outstanding at End of Year ..... 274
32. Purchasing Power, in 1913 Dollars, of Price of Average $\$ 100$ Unit of Pre- ferred Stock Outstanding at End of Year ..... 276
33. Comparison for Two Industries of Increases in the Total Value of the Common Stock and the Corporate Savings as Shown by Reports to Stockholders ..... 282
34. Logical and Actual Value of Stocks of Railway, Switching, and Terminal Companies Based Upon Corporate Savings and Increases in the Total Value of the Capital Stock ..... 284
35. Per Cent of Their Net Income Saved by Corporations in Various Industries as Estimated on the Basis of Corporate Reports ..... 286
36. Estimated Net Value of All Agricultural Products Had Average Price of Each Product in Period 1909-1913 Prevailed Throughout ..... 294
37. Net Value at Average Prices of 1909-1913 of Total Farm Products Per Acre, Per Farmer, and Per Capita ..... 298
38. Net Receipts of Agriculture from Various Sources ..... 303
39. Realized Income, Total Income, and Hypothetical Wage Per Farmer and His Family ..... 313
40. Production and Earnings Per Employee in the Coal Industry ..... 320
41. Percentages of the Net Income and Disbursements to Capital for All Mining Corporations Comprised in the Corresponding Items Representing 20 Giant Corporations ..... 324
42. Total Value of Construction in Dollars of 1913 Purchasing Power ..... 337
43. Volume of Railway Service Per Employee and Per Capita ..... 341
44. Volume of Pullman Service Per Employee and Per Capita ..... 344
45. Estimated Revenue Car Mileage Per Employee and Per Capita for Street and Interurban Railways ..... 346
46. Number of Kilowatt Hours Per Employee and Per Capita Produced by Pri- vate and Municipal Electric Light and Power Plants ..... 348
47. Estimated Volume of Telephone Service Per Employee and Per Capita ..... 351
48. The Tonnage of the American Merchant Marine as Compared to the Popu- lation of the Continental United States ..... 353
49. Bank Activity Compared With the Realized Income of the People of the Con- tinental United States ..... 357

# 59. Percentages of All Gainfully Occupied, Employed in Non-Military Service by the Various Branches of Government <br> 363 

60. Purchasing Power, in 1913 Dollars, of the Average Annual Pay of Employees in Various Branches of Governmental Service in the Continental United States ..... 367

# THE NATIONAL INCOME AND ITS <br> PURCHASING POWER 

