

Benchmark Input-Output Accounts for the U.S. Economy, 1992

Make, Use, and Supplementary Tables

By Ann M. Lawson

THIS ARTICLE is the first of two articles that present the 1992 benchmark input-output (I-O) accounts for the U.S. economy.¹ The second article will be published in the December 1997 SURVEY OF CURRENT BUSINESS.² The I-O accounts show the production of commodities (goods and services) by each industry, the use of commodities by each industry, the commodity composition of gross domestic product (GDP), and the industry distribution of value added. These I-O accounts are used in a variety of analytical and statistical contexts, including in studies of interindustry relationships within the economy and as the framework and benchmarks for other statistical series.

This article describes the preparation of the 1992 I-O accounts and discusses some of the improvements that have been made. In addition, it describes the make and use tables, illustrates how these tables are used, and discusses the concepts and methods underlying the I-O accounts. The 1992 I-O estimates are presented in this article in summary form; that is, they are aggregated to 97 I-O industries from 498-industry detail. The make (production) of commodities by industries is shown in [table 1](#); the use (consumption) of commodities by industries, in [table 2.1](#); and the components of value added by industries, in [table 2.2](#). These tables are available at the summary and detailed levels on diskette (see the box "Data Availability" on page 37).

This article also presents supplementary tables and two appendixes. The supplementary tables link the I-O accounts to the national income and product accounts (NIPA's).³ These tables permit

more extensive analyses with the I-O estimates. The first appendix provides a concordance between the industry codes used in the I-O accounts and the 1987 Standard Industrial Classification (SIC). The second appendix provides a list of the value-added and final-use components that are included in the I-O accounts.

The 1992 Benchmark I-O Accounts

In response to user needs—as expressed, for example, by the interagency Working Group on the Quality of Economic Statistics—the Bureau of Economic Analysis (BEA) implemented a program to speed up the availability of benchmark I-O accounts.⁴ This goal was later formalized in BEA's Strategic Plan, which was developed with data users and data suppliers in 1995. The Strategic Plan included making the benchmark I-O accounts available to users within 5 years of the date of an economic census or within 1 year after the release of all the data from that census, as part of the goal to develop new and improved measures of output and prices.⁵ The 1992 benchmark I-O accounts have met this goal.⁶

Source data and procedures

The benchmark I-O accounts are based primarily on data collected from the economic censuses conducted every 5 years by the Bureau of the

1. Earlier benchmark I-O accounts covered 1947, 1958, 1963, 1967, 1972, 1977, 1982, and 1987. The 1987 I-O accounts were presented in the April and May 1994 issues of the SURVEY OF CURRENT BUSINESS.

2. The December SURVEY will present the following summary I-O tables: Commodity-by-industry direct requirements per dollar of industry output; commodity-by-commodity total requirements, direct and indirect, per dollar of delivery to final use; and industry-by-commodity total requirements, direct and indirect, per dollar of delivery to final use.

3. The 1992 I-O estimates will be incorporated into the NIPA's during the next comprehensive NIPA revision.

4. See "Improving the Quality of Economic Statistics: The 1992 Economic Statistics Initiative," SURVEY 71 (March 1991): 4–5.

5. See "Mid-Decade Strategic Review of BEA's Accounts: Maintaining and Improving Their Performance," SURVEY 75 (February 1995): 36–66; "Mid-Decade Strategic Review of BEA's Economic Accounts: An Update," SURVEY 75 (April 1995): 48–56; and "BEA's Mid-Decade Strategic Plan: A Progress Report," SURVEY 76 (June 1996): 52–55.

6. The 1987 benchmark I-O accounts were released in the spring of 1994—7 years after the 1987 economic census and 3 years after the publication of the 1982 benchmark I-O accounts. To speed up the availability of the 1987 I-O accounts, BEA devised a set of procedures that captured the most important parts of the 1987 economic census data, but that abbreviated the process of assembling the wide variety of other non-census data needed to complete a full benchmark. The use of these abbreviated procedures to prepare the 1987 benchmark I-O accounts enabled BEA to more quickly turn its resources towards preparing a complete set of benchmark accounts for 1992.

Census. The economic censuses provide comprehensive data—including information on industry and commodity production, materials consumed, and operating expenses—that are not available on a more frequent basis. The 1992 benchmark I-O accounts used data from economic censuses of the following industries: Mining; manufacturing; wholesale trade; retail trade; transportation, communications, and utilities; finance, insurance, and real estate; and services. In addition, the I-O accounts used data from the 1992 Census of Agriculture, the 1992 Census of Construction Industries, and the 1992 Census of Governments.

In preparing the 1992 benchmark I-O accounts, BEA first estimated industry and commodity outputs for the I-O make and use tables. The industry and commodity outputs are represented by the shaded cells in the I-O make table, shown in the upper panel of [chart 1](#), and in the I-O use table, shown in the lower panel. Where there are gaps in coverage by the economic censuses, BEA used data from other sources, such as the U.S. Department of Agriculture, U.S. Department of Energy, U.S. Department of Transportation, U.S. Department of Treasury, Office of Management and Budget, other Government agencies, and private organizations.

Second, BEA prepared estimates of the commodity inputs required by an industry to produce its output. In the use table shown in [chart 1](#), commodity inputs are represented by the upper cells in an industry column. Most of the detailed data available to estimate commodity

inputs are obtained from the economic censuses, which included selected purchased services for most industries and materials consumed for manufacturing. When only aggregate data were available, BEA combined that information (for example, purchases of fuel by manufacturing industries) with information on purchases of individual commodities (for example, purchases of petroleum products, natural gas, and coal in the category of purchased fuels) to estimate purchases of specific commodities by an industry (for example, purchases of natural gas by a manufacturing industry).

Third, BEA prepared estimates of value added by all industries. In the I-O accounts, value added consists of three components—compensation of employees, indirect business tax and nontax liability, and “other value added”—which are represented by the lower cells in an industry column of the use table. To estimate compensation of employees and indirect business tax and nontax liability, BEA used data from the NIPA’s and from the Bureau of Labor Statistics, Bureau of the Census, Office of Management and Budget, and the U.S. Department of Treasury. BEA then derived “other value added” as a residual by subtracting total intermediate inputs, compensation of employees, and indirect business tax and nontax liability from total industry output.

Finally, BEA completed the estimates of detailed final-use categories. For most final-use categories, BEA used the same data and procedures as in the past. Most of the estimates

Data Availability

This article presents the summary make and use tables for the 1992 benchmark input-output (I-O) accounts. The summary estimates of the requirements tables will be presented in the [December 1997 SURVEY OF CURRENT BUSINESS](#).

The estimates included in the make and use tables are available on diskette at the summary level (97 I-O industries) and at the six-digit level (498 I-O industries). The “all” diskette contains the summary make table, use table (including estimates by commodity of transportation costs and of wholesale and retail trade margins), direct requirements coefficients table, and industry-by-commodity and commodity-by-commodity total requirements coefficients. The “all” diskette also contains an alternative set of summary make and use tables with industries defined on an approximate 1987 Standard Industrial Classification (SIC) basis. The six-digit “transactions” diskettes contain the make table, use table (including estimates by commodity of transportation costs and of wholesale and retail trade margins), and direct requirements table. The six-digit “alternative

transactions” diskettes contain the make and the use tables, but the industries are defined on an approximate SIC basis. Each product includes information on the mathematical derivation of the coefficients tables. The BEA product numbers and the prices for these products are listed below.

To order using MasterCard or Visa, call the BEA Order Desk at 1-800-704-0415 (outside the United States, call (202) 606-9666). To order by mail, send a check payable to “Bureau of Economic Analysis, BE-53” to BEA Order Desk, Bureau of Economic Analysis, BE-53, U.S. Department of Commerce, Washington, DC 20230.

Item	BEA product number	Price
1992 benchmark summary, all	NDN-0180	\$20
1992 benchmark six-digit, transactions (set of three diskettes).....	NDN-0178	\$60
1992 benchmark six-digit, alternative transactions (set of two diskettes).....	NDN-0179	\$40

CHART 1

The U.S. Input-Output Accounts
MAKE TABLE: INDUSTRIES PRODUCING COMMODITIES

		COMMODITIES									TOTAL INDUSTRY OUTPUT
		Agricultural products	Minerals	Construction	Manufactured products	Transportation	Trade	Finance	Services	Other*	
INDUSTRIES	Agriculture										
	Mining										
	Construction										
	Manufacturing										
	Transportation										
	Trade										
	Finance										
	Services										
	Other*										
TOTAL COMMODITY OUTPUT											

USE TABLE: COMMODITIES USED BY INDUSTRIES AND FINAL USES

		INDUSTRIES										FINAL USES (GDP)							TOTAL COMMODITY OUTPUT
		Agriculture	Mining	Construction	Manufacturing	Transportation	Trade	Finance	Services	Other*	Total intermediate use	Personal consumption expenditures	Gross private fixed investment	Change in business inventories	Exports of goods and services	Imports of goods and services	Government consumption expenditures and gross investment	GDP	
COMMODITIES	Agricultural products																		
	Minerals																		
	Construction																		
	Manufactured products																		
	Transportation																		
	Trade																		
	Finance																		
	Services																		
	Other*																		
	Noncomparable imports																		
	Total intermediate inputs																		
VALUE ADDED	Compensation of employees																		
	Indirect business tax and nontax liability																		
	Other value added**																		
	Total																		
TOTAL INDUSTRY OUTPUT																			

TOTAL COMMODITY OUTPUT

PRIMARY PRODUCT OF THE INDUSTRY

TOTAL INDUSTRY OUTPUT

* The input-output (I-O) accounts use two classification systems, one for industries and another for commodities, but both generally use the same I-O numbers and titles. "Other" consists of government enterprises and other I-O special industries; for more information see "Appendix A. Industry Classification of the 1992 Benchmark Input-Output Accounts."

** "Other value added" consists of the following national income and product accounts components of gross domestic income: Consumption of fixed capital, net interest, proprietors' income, corporate profits, rental income of persons, business transfer payments, and subsidies less current surplus of government enterprises.

of personal consumption expenditures and gross private fixed investment were prepared using the commodity-flow method.⁷ For example, using the commodity-flow method, office equipment for private investment was estimated as a residual after government investment was subtracted from the total supply of office equipment. The estimates of inventories held by industries were mostly based on economic census data; these estimates were then distributed to commodities on the basis of information from previous benchmark accounts. The estimates of exports and

imports of commodities were based on data from the Bureau of the Census and BEA's U.S. balance of payments accounts. For the estimates of Federal Government and State and local government, total consumption and investment expenditures by type of purchase were obtained from the NIPA's; these estimates were then distributed to I-O commodities on the basis of information from previous benchmark accounts and the 1992 economic censuses.

Improvements and changes

The 1992 I-O accounts incorporated three types of changes: Definitional and classificational, to

7. See the box "Personal Consumption Expenditures and Producers' Durable Equipment" below.

Personal Consumption Expenditures and Producers' Durable Equipment

The estimates of personal consumption expenditures (PCE) and producers' durable equipment (PDE) and the other components of final uses are presented in the input-output (I-O) accounts as purchases of commodities. In the presentation of PCE and PDE in the national income and product accounts (NIPA's), these commodities are grouped into categories either by type of product or by type of expenditure.¹ Two methods are used to prepare the I-O benchmark estimates of PCE and PDE: The direct-estimation method and the commodity-flow method.

Direct estimation

Selected commodities in the PCE and PDE categories are directly estimated from source data. Direct estimation is used when by definition the commodity is purchased only by persons for consumption or by business for investment; for example, the rental value of owner-occupied dwellings is attributed exclusively to persons. Direct estimation is also used when the underlying estimation method results in a more accurate and reliable estimate; for example, estimates of gasoline and oil purchases by persons are based on unit sales and average prices for these commodities.

Commodity-flow method

The estimates for many commodities in the PCE and PDE categories are calculated using the commodity-flow method. This method, which consists of seven steps, converts domestic output (the value of commodities produced by domestic establishments) in producers' prices to domestic supply (the value of production available for sale to domestic purchasers) in purchasers' prices and therefore includes imports and excludes exports. The domestic supply is then allocated to

domestic purchasers—that is, to persons, business, and government.

In step 1, commodities purchased by persons for consumption or by business for investment are identified. The commodities purchased by persons are identified on the basis of the nature of the product from the titles of products included in the quinquennial economic censuses or in the *Standard Industrial Classification Manual*, 1987. The commodities purchased by businesses are identified on the basis of two criteria: (1) The commodity has a life of more than 1 year and is normally capitalized in business accounting records, and (2) the commodity is not an integral part of a structure and therefore is not included in the value of that structure (for example, an elevator in an apartment building).

In step 2, an estimate of total domestic output—that is, shipments, revenues, or receipts—is prepared for each commodity. The value of the domestic output is in producers' prices—that is, it includes excise taxes and tips but excludes transportation costs and wholesale and retail trade margins.

In step 3, imports are added, and in step 4, trade margins and transportation costs are added. Step 4 converts supply into purchasers' prices, which is the valuation used for the commodity-flow estimates.

In step 5, exports, which include transportation costs and trade margins, are subtracted because they are recorded in the NIPA's as a separate final-demand component.

In step 6, changes in inventories are subtracted, because not all goods that are produced or imported in a period are consumed in the same period. In some commodity-flow estimates, a percentage of domestic supply in purchasers' prices—the result of steps 2 through 6—is then allocated to users.

In step 7, government consumption expenditures and gross investment and purchases by business on current account (intermediate purchases) are subtracted from the domestic supply in purchasers' prices to obtain a residual that reflects purchases either by persons for consumption or by businesses for investment.

1. Supplementary tables D and E show the I-O commodity compositions of the NIPA PCE and PDE categories. For the other NIPA expenditure components—not shown in tables D and E—private and government structures are presented by type, inventory change is presented by industry of the establishment holding the inventories, and net exports of goods and services and government consumption and investment expenditures are shown by type of product.

more accurately reflect the evolving U.S. economy; methodological, to increase the accuracy and reliability of the estimates; and statistical, to introduce newly available and revised source data.

Major definitional and classificational changes.

—The 1992 1-o accounts incorporated the definitional changes that were introduced as part of the comprehensive NIPA revision released in January 1996.⁸ The change that most affected the 1-o accounts was the new treatment of government purchases that distinguishes between government investment and consumption expenditures and that is symmetrical with the treatment of private fixed assets.⁹ Also included are the improved estimates of contributions by the Federal Government to the retirement programs of civilian

employees and military personnel in employee compensation.¹⁰

Additional definitional and classificational changes that were incorporated into the 1992 1-o accounts included the following:

- Expansion of industry detail for construction;
- Expansion of detail for service-producing industries in the detailed 1-o accounts; and
- Improved classification of imported goods that were previously identified as noncomparable.

Major methodological changes.—The 1992 1-o accounts incorporated the results of major methodological changes that were introduced as part of the comprehensive NIPA revision. For example, the improved estimates of purchases of new autos and of investment in nonresidential structures were incorporated into the estimates of final uses, and the new estimates of voluntary contributions to thrift savings plans were incorporated into the estimates of compensation of employees.

For estimates of indirect business tax and other nontax liability, the 1992 1-o accounts incorporated the improved industry assignment of

8. See "Improved Estimates of the National Income and Product Accounts for 1959–95: Results of the Comprehensive Revision," SURVEY 76 (January/February 1996): 1–27.

9. The services of general government fixed assets, measured as depreciation, are now included in government consumption expenditures. However, the use of depreciation as a measure of the value of services of government fixed assets is only a partial measure of the total value. In theory, the service value of an asset should equal the reduction in the value of the asset due to its use during the current period (depreciation) plus a return equal to the current value the asset could earn if invested elsewhere (net return). The consumption of fixed capital by government does not provide an estimate of the full value of the services of government fixed assets, because the net rate of return on these assets is assumed to be zero. See Robert P. Parker and Jack E. Triplett, "Preview of the Comprehensive Revision of the National Income and Product Accounts: Recognition of Government Investment and Incorporation of a New Methodology for Calculating Depreciation," SURVEY 75 (September 1995): 33–41.

10. See "Preview of the Comprehensive Revision of the National Income and Product Accounts: New and Redesignated Tables," SURVEY 75 (October 1995): 31–34.

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commodity taxes that was introduced in the comprehensive revision of gross product originating (GPO) released in August 1996.¹¹ These taxes are now classified in a more consistent and comprehensive manner than in the previous benchmark accounts.

In addition, the 1992 i-o accounts incorporated improved measures of output and inputs for the transportation industries and improved measures of the freight charges incurred to transport commodities by different modes. These improvements resulted from a review of the methods and source data used to prepare transportation estimates for the i-o accounts by the staff of the Department of Transportation.¹² Where feasible, BEA incorporated suggested improvements from this review into the 1992 i-o accounts.

Major statistical changes.—The 1992 i-o accounts incorporated newly expanded data from the 1992 economic censuses, which covered about 95 new industries and marked the most significant expansion in scope of the census in the past 50 years. These data were collected primarily in the two new economic censuses—Financial, Insurance, and Real Estate and Transportation, Communications, and Utilities. The i-o accounts also incorporated newly expanded data for the expenses of auxiliary establishments and for the expenses of manufacturing, wholesale trade, retail trade, and service industries. These data, together with data from new annual surveys for transportation and for communications, were used to estimate inputs for these industries.

Introduction to the i-o Accounts

The i-o accounts for the U.S. economy show the production of commodities by each of 498 industries in the make table and the consumption of commodities by these industries in the use table. The use table also shows the commodity composition of gross domestic product (GDP) and the industry distribution of value added.

The i-o accounts show the relationships between all the industries in the economy and all the commodities that these industries produce and use. The estimates of the commodities are shown in producers' prices.¹³ When pro-

ducers' prices are used, transportation costs and wholesale and retail trade margins are treated separately as commodities that are produced and used by industries (see the section "[Definitions and conventions for valuation of transactions](#)").

The i-o accounts consist of five basic tables: (1) Make, (2) use, (3) commodity-by-industry direct requirements, (4) commodity-by-commodity total requirements, and (5) industry-by-commodity total requirements.¹⁴ Only the make and use tables are presented in this article. The remaining three tables and their descriptions will be published in the December 1997 SURVEY.

The make table.—The make table (shown as a schematic in [chart 1](#) and with estimates in [table 1](#)) shows the value in producers' prices of each commodity produced by each industry. In each row, one "diagonal" cell shows the value of the production of the commodity for which the industry has been designated the "primary" producer; in [chart 1](#), these cells are shaded in the interior of the make table. The entries in the other cells in the row show the value of the production of commodities for which the industry is a "secondary" producer.¹⁵ For example, the industry "newspapers and periodicals" (row 26A in [table 1](#)) is the primary producer of the commodity "newspapers and periodicals" (column 26A in [table 1](#)). This industry is also a secondary producer of the following commodities: Other printing and publishing (column 26B); scientific and controlling instruments (column 62); advertising (column 73D); and scrap, used and secondhand goods (column 81). The sum of all the entries in the row is the total output of that industry.

The entries in each column of the make table represent the production by both primary and secondary producers of the commodity in the column. For example, computer and data processing services (column 73A) includes the output by the primary producer—the industry "computer and data processing services" (row 73A)—and by the following secondary producers: Computer and office equipment (row 51); legal, engineering, accounting, and related services (row 73B); and other business and professional

11. See Robert E. Yuskavage, "Improved Estimates of Gross Product by Industry, 1959–94," SURVEY 76 (August 1996): 140.

12. The staff of BEA and of the Bureau of Transportation Statistics of the U.S. Department of Transportation are developing a set of transportation satellite accounts for the United States, which are tentatively scheduled for release next year. These accounts will be based on the 1992 benchmark i-o accounts.

13. Estimates of purchases of i-o commodities in purchasers' prices can be derived by adding transportation costs and wholesale and retail trade margins

to the values in producers' prices. These estimates are shown in [table C](#) for all i-o commodities included in NIPA final demand; in [table D](#), for all i-o commodities included in personal consumption expenditures; and in [table E](#), for all i-o commodities included in producers' durable equipment.

14. In the designation that is used for i-o tables, the content of the rows is referred to first, and that of the columns, second. For example, in a "commodity-by-industry" table, the commodities are in the rows, and the industries are in the columns.

15. Primary and secondary products and the classification of industries are discussed further in the section "[Definitions and conventions for classification](#)."

services, except medical (row 73c). The sum of all the entries in the column is the total output of that commodity.

An industry's share of the production of a commodity can be determined from the values in the make table by calculating the entry in a given column as a percentage of the column total. For example, the production of the commodity "scientific and controlling instruments" (column 62) totaled \$107.9 billion, of which the industry

"scientific and controlling instruments" (row 62) produced \$100.5 billion or about 93 percent of the total commodity output.

The estimates of industry and commodity total output are based primarily on data from the quinquennial economic censuses conducted by the Bureau of the Census. (Table A shows the principal data sources used to estimate industry and commodity outputs for the 1992 I-O accounts.) Economic census data are used for

Table A.—Principal Data Sources for Industry or Commodity Outputs, 1992 I-O Accounts

Industry or Commodity	Source
Agriculture, forestry, and fisheries	Trade sources U.S. Department of Agriculture, Forest Service and Economic Research Service farm statistics National Oceanic and Atmospheric Administration <i>Fisheries of the United States</i>
Mining	Census Bureau 1992 Census of Mineral Industries
Construction	Census Bureau 1992 Census of Construction Industries, 1992 Census of Service Industries, value of construction put-in-place series, and 1992 Census of Financial, Insurance, and Real Estate Industries
Manufacturing	Census Bureau 1992 Census of Manufactures
Transportation	Association of American Railroads <i>Freight Commodity Statistics</i> Census Bureau 1992 Census of Transportation, Communications, and Utilities, <i>Motor Freight Transportation and Warehousing Survey, and Service Annual Survey</i> U.S. Army Corps of Engineers 1992 <i>Waterborne Commerce of the United States</i> Department of Transportation <i>Air Carrier Financial Statistics and National Transportation Statistics</i>
Communications	Trade sources annual reports Census Bureau 1992 Census of Transportation, Communications, and Utilities
Utilities	Department of Energy <i>Financial Statistics of Major United States Investor-Owned Electric Utilities, 1992, and Financial Statistics of Major U.S. Publicly Owned Electric Utilities, 1992 and 1993</i> Census Bureau 1992 Census of Transportation, Communications, and Utilities Rural Electrification Administration 1992 <i>Statistical Report, Rural Electric Borrowers</i>
Wholesale and retail trade	Census Bureau 1992 Census of Wholesale Trade, 1992 Census of Retail Trade, 1992 <i>Combined Annual and Revised Monthly Retail Trade, 1992 Annual Wholesale Trade, and 1993 Annual Retail Trade Survey</i>
Finance	Census Bureau 1992 Census of Financial, Insurance, and Real Estate Industries Federal Deposit Insurance Corporation <i>Statistics on Banking</i> Federal Home Loan Bank Board financial reports National Credit Union Administration <i>Yearend Statistics for Federally Insured Credit Unions</i> Annual Report of the New York Stock Exchange Securities and Exchange Commission FOCUS Report data and Annual Report
Insurance	Trade sources financial statements Health Care Financing Administration private health insurance data A. M. Best and Company <i>Best's 1992 Aggregate and Averages Property/Casualty Insurance</i> Mortgage Insurance Companies of America 1994-1995 <i>Factbook</i> U.S. Department of Labor, Pension Welfare Benefits Administration American Council of Life Insurers 1992 <i>Life Insurance Fact Book</i>
Real estate	Census Bureau 1992 Census of Financial, Insurance, and Real Estate Industries National income and product accounts data U.S. Department of Agriculture farm statistics Expense data for industries from Census and other sources
Services	Census Bureau 1992 Census of Retail Trade, 1992 Census of Service Industries, 1992 <i>Service Annual Survey, 1993 Annual Retail Trade Survey</i> U.S. Department of Education Digest of Educational Statistics <i>The Economic Report on Veterinarians & Veterinary Practices</i>
Government enterprises	Federal and State and local government agency reports Office of Management and Budget Federal budget data National income and product accounts data
Noncomparable imports	Estimated as part of the balance of payments accounts
Scrap	Census Bureau 1992 Census of Manufactures
General government	Estimated as part of the national income and product accounts
Household	Estimated as part of the national income and product accounts
Inventory valuation adjustment	National income and product account estimates and 1992 economic census data

most industries, but data from other Government agencies and private sources are used for the 1-o industries that are not covered by the economic census data, such as education and religious organizations. In addition, data from other Government agencies are used to supplement the economic census data for some industries; for example, data on financial statistics for major private electric utilities from the U.S. Department of Energy are used to supplement the data on electric utilities from the 1992 Census of Transportation, Communications, and Utilities.

BEA makes two adjustments to the economic census data. First, it adds estimates of the output for establishments that are not covered by the economic censuses. This adjustment includes estimates for nonpayroll firms in mining, manufacturing, and wholesale trade and for noncensus-covered industries in agriculture, forestry, and fisheries, in services (such as education and religious organizations), and in transportation (such as railroads). Second, BEA adjusts the data for misreported tax return information, because in some cases, the Census Bureau data for receipts reflect tax return records rather than information collected from surveys. Therefore, the tax return data must be adjusted to account for nonfilers and for filers who misreport receipts to the Internal Revenue Service.¹⁶ The largest adjustments are to the data for the services industries in which partnerships and sole proprietorships are more prevalent.

After these adjustments are made, BEA redefines the SIC-based economic census data using the 1-o classification system in order to attain greater similarity in the input structures for commodities produced by an 1-o industry. For example, restaurants in hotels are redefined to the “eating and drinking places” industry. (See the section “Definitions and conventions for classification.”)

The use table.—The data in the use table (shown as a schematic in the lower panel of [chart 1](#)) are presented in two parts: [Table 2.1](#) shows the value in producers’ prices of each commodity used by each industry or by each final user (represented by the upper left and right quadrants of [chart 1](#)); [table 2.2](#) shows detail on the components of value added and total intermediate inputs that are used by each industry to produce its output (represented by the lower left quad-

rant of [chart 1](#)).¹⁷ In [table 2.1](#), the entry in each row shows the commodity that is used by the industry or final user in the column. For example, the commodity “radio and tv broadcasting” (row 67) is used by the industries “communications, except radio and tv” (column 66), “radio and tv broadcasting” (column 67), and “advertising” (column 73D) and by persons in personal consumption expenditures (column 91).

To facilitate the presentation, the rows and columns of [table 2.2](#) are reversed from those shown in [chart 1](#) as follows: The industries are shown in the rows, and the total intermediate inputs, the components of value added, and the total output for each industry are shown in the columns. For example, for the industry “radio and tv broadcasting” (row 67), compensation of employees was \$8.4 billion, indirect business tax and nontax liability was \$0.5 billion, and “other value added” was \$2.9 billion. Total intermediate inputs was \$17.6 billion, which is the sum of the intermediate inputs for industry shown in [table 2.1](#). The total output for this industry was \$29.4 billion.

The column total for industries in [table 2.1](#) equals the industry output in [table 2.2](#). For example, the industry output for the radio and tv broadcasting industry (column 67) in [table 2.1](#) equals the total industry output for that industry (row 67) in [table 2.2](#), or \$29.4 billion.

In [table 2.1](#), the sum of the intermediate uses of the commodity by industries (upper left quadrant of [chart 1](#)) and all sales to final users (upper right quadrant of [chart 1](#)) equals total commodity output. The sum of the intermediate inputs consumed by each industry—that is, the raw materials, semifinished products, and services that the industry purchased—and the value added by the industry equals total industry output. In the 1-o accounts, GDP can be measured either as the sum of all final uses of commodities or as the sum of value added by industries.

The use table shows the variation in the share of commodity output that is sold to final users. In [table 2.1](#), some commodities, such as apparel (row 18), were sold almost entirely to final users; therefore, the demand for these commodities is affected primarily by changes in the buying patterns of the final users. Other commodities, such as industrial and other chemicals (row 27A), were used almost entirely as intermediate inputs;

16. See Robert P. Parker, “Improved Adjustments for Misreporting of Tax Return Information Used to Estimate the National Income and Product Accounts, 1977” *SURVEY* 64 (June 1984): 17–25.

17. Estimates of industry value added, referred to as “gross product originating” are provided in Sherlene K.S. Lum and Robert E. Yuskavage, “Gross Product by Industry, 1947–96” in this issue. A comparison of the GPO estimates with those from the 1992 1-o accounts is presented in “Note on Alternative Measures of Gross Product by Industry.”

for these commodities, production is indirectly connected to final uses.

The use table also shows the variation in the usage of commodities by industries. For example, in [table 2.1](#), the commodity “paper and allied products, except containers” (row 24), with a total commodity output of \$98.5 billion, was used by most industries. The largest user was “other printing and publishing” (column 26B), which used \$16.1 billion, or 16 percent of the total commodity output. In contrast, metal containers (row 39), with \$13.2 billion of commodity output, were used by only 17 industries. The largest user was the industry “food and kindred products” (column 14), which used \$9.4 billion, or 71 percent of the total commodity output.

Finally, the use table shows the variation in the use of total value-added inputs by industries to produce their outputs. For example, in [table 2.2](#), the industry “real estate and royalties” (row 71B) required \$412.2 billion of value-added inputs, or 75 percent of its total output; of this total, \$48.4 billion was for compensation of employees, \$79.7 billion was for indirect business tax and nontax liability, and \$284.2 billion was for “other value added.” In contrast, the industry “livestock and livestock products” (row 1) required \$15.6 billion of total value-added inputs, or 17 percent of its total output; of this total, \$4.5 billion was for compensation of employees, \$1.3 billion was for indirect business tax and nontax liability, and \$9.8 billion was for “other value added.”

The estimates of intermediate inputs in the use table are primarily based on data from the economic censuses. Much of these data are for broad

expense categories, such as office supplies, that must be allocated to 1-o commodities, such as postal services, paper, and envelopes. In cases in which estimates of expenses are not available, BEA uses commodity shipments and other related information. For example, the estimates of the purchases of spark plugs are allocated using the stock of cars, trucks, and buses by industry. ([Table B](#) shows the principal sources and methods used to estimate intermediate and value-added inputs for 1992 1-o industries.)

The estimates of final uses of commodities are prepared from source data on purchases or by using the commodity-flow method. For example, the estimates of exports and imports are based on source data from the Census Bureau and BEA’s U.S. balance of payments accounts. In the commodity-flow method, which is used mainly for personal consumption expenditures and producers’ durable equipment, domestic output is adjusted for exports and imports; trade margins and transportation costs are added to estimate supply in purchasers’ value. Then, either a percentage of this supply is attributed to final users, or the supply is adjusted for intermediate purchases and the residual is attributed to final users.¹⁸

Two of the components of value added by industry are estimated directly using a variety of data sources ([table B](#)). Most of the estimates of compensation of employees by industry are based on census data. The estimates of indirect

18. For more detailed information, see U.S. Department of Commerce, Bureau of Economic Analysis, *Personal Consumption Expenditures*, Methodology Paper Series MP-6 (Washington, DC: U.S. Government Printing Office, June 1990): 31–34.

Table B.—Principal Data Sources and Methods for Estimating Intermediate Inputs and Value-Added Inputs, 1992 I-O Accounts

Component	Source or method
Intermediate inputs	For most census-covered industries, selected purchased services (legal; communications; electricity; repair of buildings; repair of equipment; rental of buildings; rental of equipment; accounting, auditing, and bookkeeping; advertising; and data processing and computer services) and purchased fuels; in addition, for manufacturing and mining, materials consumed and contract work, from 1992 economic censuses. For agriculture industries, inputs from U.S. Department of Agriculture. For most remaining industries, a combination of selected inputs from trade sources and 1987 estimates extrapolated by change in industry output. All inputs adjusted to balance to commodity outputs.
Compensation of employees	For census-covered industries, payroll and benefits from Census Bureau 1992 economic censuses, adjusted for misreporting and I-O industry definitions. For noncensus-covered industries, tabulations of wages and salaries covered by State unemployment insurance, BEA estimates of benefits, adjusted for misreporting and I-O industry definition. All estimates adjusted to balance to total compensation, estimated as part of the national income and product accounts.
Indirect business tax and nontax liability	For excise taxes and commodity taxes, estimates are from output controls. For all other tax and nontax liability, based on various extrapolators. All estimates adjusted to balance to total indirect business tax and nontax liability, estimated as part of the national income and product accounts.
Other value added	For most industries, residual method: Total industry output less total intermediate inputs, compensation of employees, and indirect business tax and nontax liability.

business tax and nontax liability by industry are prepared in two parts: For excise and general sale taxes, the values are estimated as part of each industry's output; for other indirect business taxes, such as property taxes, estimates are distributed on the basis of a variety of source data, including State government tax collections and highway statistics. The remaining component is shown as "other value added," which is derived as a residual by subtracting the total intermediate inputs, compensation of employees, and indirect business tax and nontax liability from total industry output.

The uses of the I-O accounts

The I-O accounts have a variety of uses that range from an analytical tool to study industry production to a framework for benchmarking other economic statistics programs. This section describes the uses of the I-O accounts in studying interindustry relationships in the U.S. economy and in preparing economic statistics. It also describes some of the assumptions that analysts must make when they use I-O accounts as an economic tool for analysis.

Analytical uses.—The I-O accounts are an important analytical tool because they show the interdependence among the producers and consumers in the economy. Using the I-O accounts, analysts can estimate the direct and indirect effects of changes in final uses on industries and commodities.

For example, the I-O accounts can show how an increase in consumer demand for motor vehicles will affect the rest of the economy. It will likely cause an increase in the production of motor vehicles that could result in increased steel production and that, in turn, could require increases in the production of chemicals, iron ore, limestone, and coal. It could also require an increase in the production of upholstery fabrics that could require more natural fibers, more synthetic fibers, and more plastics and that, in turn, could require increases in the production of "electric services (utilities)" and "plastics materials and resins." In the I-O accounts, these effects are quantified in the total requirements tables.¹⁹

Similarly, the requirements tables can be used to estimate the effects of a strike or natural disaster on the economy or, supplemented with

additional information, to estimate the effects of an increase in demand for U.S. exports on employment. The Federal Emergency Management Agency, the Department of Defense, and the Census Bureau, among others, have used the I-O accounts for such studies.

When the I-O accounts are augmented with regional data by BEA, they can show economic effects by region. For example, the regional I-O accounts can be used to estimate the potential impact of a planned Federal Government shutdown of a military base.²⁰ When the I-O accounts are augmented with international data, they can be used to estimate the effects of exchange-rate changes on the profitability and activities of manufacturing industries that rely on imported inputs.²¹

Analysts using the I-O tables to estimate the effects of changes in final uses on industries and commodities need to be aware of the underlying I-O assumptions. For example, the I-O tables are based on a set of relationships that exist between producers and consumers in a given year; these relationships reflect constant technology and relative prices. The interindustry relationships reflect the average input structure in each industry for that year, but these relationships do not necessarily reflect those of an additional unit of production. Therefore, for analyses that require alternative assumptions, other economic tools may be required.

Statistical uses.—The I-O accounts are used in several ways to prepare economic statistics. For example, the final-use components of personal consumption expenditures and of gross private domestic investment—adjusted to reflect the definitional, classificational, and statistical changes made after the completion of the benchmark I-O accounts—provide the benchmarks for the NIPA's.

The benchmark I-O accounts are also used as a framework to weight and to calculate index numbers for price, volume, and value. For example, the Bureau of Labor Statistics uses data from the I-O accounts as weights in compiling industry price indexes.

20. Estimates of regional economic effects derived from BEA's Regional Input-Output Modeling System are based mainly on two data sources: The U.S. benchmark I-O accounts and BEA's county estimates of wage and salary disbursements at the four-digit SIC level. These estimates are available from the BEA's Regional Economic Analysis Division. For more information, see U.S. Department of Commerce, Bureau of Economic Analysis, *Regional Multipliers: A User Handbook for the Regional Input-Output Modeling System (RIMS II)*, Third Edition (Washington, DC: U.S. Government Printing Office, 1997).

21. Jose Campa and Linda S. Goldberg, "The Evolving External Orientation of Manufacturing: A Profile of Four Countries," *Economic Policy Review* 2 (1997): 53–81.

19. In an open economy, the production effects are likely to be reflected as an increase in both domestic production and imports. To separate the effects on domestic production from those on imports, analysts generally use a special set of I-O tables that includes an import matrix that identifies the intermediate purchases by producers that are obtained from foreign sources.

Definitions and conventions for classification

The I-O accounts use two classification systems—one for industries and another for commodities—and both systems generally use the same I-O numbers and titles. This section first discusses the I-O industry classification system and then the I-O commodity classification system.

The I-O industry classification system.—This system is based on the Standard Industrial Classification (SIC) system, which classifies establishments into industries on the basis of the primary activities of the establishments. Establishments are defined as economic units that are typically at a single location where business is conducted or where services or industrial operations are performed.²²

The I-O industry classification system differs from the SIC system in three major ways. First, the I-O industry system redefines some secondary production of some SIC industries to other industries. Second, the I-O industry classification system includes “special industries” that are not considered to be industries in the SIC system. Third, because of data limitations, the I-O industry system includes three industries—agriculture, construction, and real estate—that are defined on an activity basis rather than an establishment basis.

Redefinitions result in the shift of output and inputs related to the secondary activities of some establishments to the SIC industries in which they are primary activities. (A primary activity must make up the largest proportion of the establishment’s output; all the other activities are secondary.) The I-O industry classification system only redefines the secondary activities of an SIC industry for which the related inputs are very different from those required for the industry’s primary activity. For example, both the output and related inputs of restaurants in hotels are moved from the SIC industry “hotels and lodging places” (in which “hotels and lodging” is the primary activity) to the industry “eating and drinking places” (in which “eating and drinking” is the primary activity), because the input structure of “meals and beverages” is very different from that of the industry’s primary activity. After the redefinition is completed, the total outputs for both I-O industries—that is, “eating and drinking places” and “hotels and

lodging places”—are different from their SIC industry counterparts. However, total outputs for the I-O commodities remain unchanged from their counterparts in the SIC system. The purpose of redefinitions in the I-O analytical framework is to attain a greater degree of homogeneity in the inputs required by an I-O industry to produce its commodities.

The following activities are redefined:

- Construction work (both new and maintenance and repair) performed by all establishments (including government) is redefined to the construction industries. Construction work performed by and for establishments classified in nonconstruction industries is referred to as “force-account construction.”
- Manufacturing in trade and service establishments is redefined to the appropriate manufacturing industries.
- Retail trade in service establishments is redefined to the retail trade industry. Services in trade establishments are redefined to service industries. Some services are also redefined within the service industries.
- Manufacturers’ sales of purchased goods (resales) are redefined to the wholesale trade industry.
- Rental activities of all establishments are redefined to the real estate and rental industries.
- The preparation of meals and beverages in most establishments is redefined to the eating and drinking industry.

The redefinitions affected most industries, but the total output that was redefined for most industries was small for the 1992 I-O accounts. Redefinitions had a significant effect on the following industries: Automotive repair and services (I-O industry 75) has \$138.4 billion in total industry output after \$1.0 billion was removed and \$48.1 billion was added from wholesale and retail trade; eating and drinking places (I-O industry 74) has \$280.7 billion in total output after \$1.0 billion was removed and \$45.6 billion was added; wholesale trade (I-O industry 69A) has \$569.0 billion in total output after \$51.0 billion was removed and \$31.0 billion was added; and retail trade (I-O 69B) has \$522.5 billion in total output after \$82.7 billion was removed and \$13.9 billion was added.

Special industries are included in the I-O system, but they are not considered industries in the SIC system. In the SIC, government establishments engaged in business-like activities (defined

22. Appendix A provides a list of I-O industries and the relationships of these industries to the 1987 SIC codes. For more information on the SIC, see Office of Management and Budget, Statistical Policy Division, *Standard Industrial Classification Manual 1987* (Washington, DC: U.S. Government Printing Office, 1987): 11–18.

in divisions 1–8), such as the U.S. Postal Service and the local water authorities, are classified in the same SIC industry as private establishments. In the I-O system, these establishments are classified in Federal Government enterprises (I-O 78) and State and local government enterprises (I-O 79).²³

Another special industry created for the I-O accounts, general government (I-O 82), covers all other government establishments and is similar in scope to SIC industry division 9, Public Administration. The output and value added of this industry are defined as compensation of employees and consumption of fixed capital of general government agencies.

The I-O system also includes a special industry for the inventory valuation adjustment (I-O 85), which is an adjustment needed to eliminate inventory profits or losses from the change in the inventory component of output.

Activity-based industries are necessary for agriculture, construction, and real estate. Agriculture industries are classified by commodity, such as dairy farm products, because source data on the production of agriculture commodities by establishment, such as data on the production of milk products by dairy farms, are not available.

Construction is classified by type of activity, such as the construction of new highways and streets, rather than by the type of construction contractor, such as heavy construction contractors who pave asphalt roads, partly because source data are not available, but more importantly, because construction is an atypical activity in that it is performed in almost all industries; most establishments perform maintenance and repairs, and some perform their own new construction. Therefore, this type of activity is referred to as force-account construction.

To adequately represent construction activities in the U.S. economy, the output associated with all construction activities performed by the nonconstruction industries is redefined to the construction industry. Similarly, the intermediate and value-added inputs for this work are moved to the construction industries.

The real estate industry includes all real estate rental receipts and all imputed rents for owner-occupied housing and for buildings and equipment owned and used by nonprofit institutions primarily serving households. Rental

receipts are included in this industry because of a lack of data for individual industries. Imputed rents are included in the I-O accounts to make them consistent with the NIPA's.

The I-O commodity classification system.—In this system, each commodity is assigned the code of the industry in which the commodity is the primary product. This code is then used to group the production of the commodity in the industry in which it is the primary product with its production in other industries in which it is a secondary product. In a few cases, the I-O system reclassifies SIC-defined commodity groups, and a secondary product is created from an SIC-defined primary product. The output of the SIC-defined product is moved to the I-O-defined primary product group; therefore, the output represents the total output of the product, regardless of the classification of the establishments that produce it.

For example, in the SIC system, the primary product of the newspaper industry is defined as newspaper sales and newspaper advertising. In the I-O system, the primary product of the newspaper industry is newspaper sales. The advertising component is considered to be a secondary activity; therefore, advertising receipts or output are moved to the advertising commodity group. The total output for the I-O newspaper industry remains unchanged.

Reclassifications affected a small percentage of commodities, and for most of these commodities, the values were not very large. However, some commodities had significant reclassified sales. For example, the commodity “newspapers and periodicals” (I-O 26A) has \$19.9 billion in total commodity output after \$35.4 billion was moved to the advertising commodity (I-O 73D).

In several cases, there is no I-O commodity classification that corresponds to an industry classification. If a commodity is the primary product of more than one SIC industry, then the commodity is reclassified and given the I-O commodity number that corresponds to the I-O industry that is the largest producer of the commodity. As a result, the following detailed I-O commodities have no commodity output: Forest products (commodity 2.0701); knit outerwear mills (commodity 18.0201); knit underwear and nightwear mills (commodity 18.0202); knitting mills, n.e.c. (commodity 18.0203); fertilizers, mixing only (commodity 27.0202); cold-rolled

23. Establishments defined as government enterprises follow the same classification used in the NIPA's. For more information, see U.S. Department of Commerce, Bureau of Economic Analysis, *Government Transactions*, Methodology Paper Series MP-5 (Washington, DC: U.S. Government Printing Office, November 1988): 6.

Table C.—Input-Output Commodity Composition of Final Uses,
[Millions]

Commodity number	Commodity description	Personal consumption expenditures				Gross private fixed investment				Change in business inventories				Exports of goods and services			
		Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices
1	Livestock and livestock products	3,709	101	1,290	5,100	.....	.....	.....	.....	857	1	-1	857	800	15	3	818
2	Other agricultural products	19,531	3,547	17,859	40,937	.....	.....	.....	.....	4,035	29	50	4,114	16,116	1,516	3,740	21,372
3	Forestry and fishery products	3,085	18	846	3,949	.....	.....	.....	.....	-45	.....	-1	4,114	2,880	36	317	3,233
4	Agricultural, forestry, and fishery services	729	.....	.....	729	.....	.....	.....	.....	.....	.....	.....	61	.....	.....	61	.....
5+6	Metallic ores mining .....	.....	.....	.....	.....	50	20	1	71	-24	-1	3	-22	1,104	53	16	1,173
7	Coal mining	68	28	69	165	.....	.....	.....	.....	-3	8	4	9	3,122	1,095	88	4,305
8	Crude petroleum and natural gas .....	.....	.....	.....	.....	23	.....	.....	23	-105	17	4	-84	3,290	294	66	3,650
9+10	Nonmetallic minerals mining	39	47	23	109	.....	.....	.....	.....	25	-28	-3	-6	686	494	6	1,186
11	New construction .....	.....	.....	.....	.....	339,916	.....	.....	339,916	.....	.....	.....	.....	.....	.....	.....	.....
12	Maintenance and repair construction .....	.....	.....	.....	.....	20,362	29	.....	20,362	.....	.....	.....	.....	77	.....	.....	77
13	Ordnance and accessories	1,473	6	1,023	2,502	.....	.....	.....	.....	-1,855	.....	-3	-1,858	3,592	23	43	3,658
14	Food and kindred products	248,010	6,759	133,135	387,904	.....	.....	.....	.....	150	39	-71	118	19,630	841	1,791	22,262
15	Tobacco products	30,395	181	17,432	48,008	.....	.....	.....	.....	2,137	12	126	2,275	5,874	25	275	6,174
16	Broad and narrow fabrics, yarn and thread mills	1,683	39	2,403	4,125	.....	.....	.....	.....	477	18	40	535	2,359	30	169	2,558
17	Miscellaneous textile goods and floor coverings	5,578	242	5,150	10,970	2,343	107	895	3,345	19	6	12	37	1,724	66	172	1,962
18	Apparel	80,934	627	86,794	168,355	.....	.....	.....	.....	3,897	40	494	4,431	4,065	8	498	4,571
19	Miscellaneous fabricated textile products	11,189	99	9,872	21,160	.....	.....	.....	.....	470	2	56	528	810	4	87	901
20+21	Lumber and wood products	2,529	67	2,559	5,155	4,661	.....	1,340	6,001	663	111	171	945	5,965	467	749	7,181
22+23	Furniture and fixtures	21,623	163	19,848	41,634	16,091	182	3,930	20,203	185	4	13	202	2,633	19	286	2,938
24	Paper and allied products, except containers	14,921	389	7,314	22,624	.....	.....	.....	.....	771	65	87	923	8,567	710	635	9,912
25	Paperboard containers and boxes	381	.....	262	643	.....	.....	.....	.....	277	18	40	335	691	32	47	770
26A	Newspapers and periodicals	14,339	653	6,018	21,010	.....	.....	.....	.....	-62	3	.....	.....	653	39	94	786
26B	Other printing and publishing	15,282	790	13,733	29,805	.....	.....	.....	.....	753	45	135	933	2,984	57	349	3,390
27A	Industrial and other chemicals	2,154	311	1,724	4,189	1,957	.....	.....	1,957	729	60	45	834	17,292	1,233	1,060	19,585
27B	Agricultural fertilizers and chemicals	920	48	690	1,658	.....	.....	.....	.....	-153	-7	-34	-194	3,341	105	886	4,332
28	Plastics and synthetic materials .....	.....	.....	.....	.....	.....	.....	.....	.....	239	22	8	269	8,477	993	357	9,627
29A	Drugs	43,864	242	25,022	69,128	.....	.....	.....	.....	1,292	10	115	1,417	7,272	22	1,016	8,310
29B	Cleaning and toilet preparations	30,098	1,167	19,323	50,588	.....	.....	.....	.....	186	27	71	284	2,591	73	300	2,964
30	Paints and allied products	480	32	226	738	.....	.....	.....	.....	42	5	9	56	745	43	106	894
31	Petroleum refining and related products	53,355	3,105	59,579	116,039	.....	.....	.....	.....	46	24	26	96	9,084	555	858	10,497
32	Rubber and miscellaneous plastics products	15,051	2,754	18,831	36,636	215	10	52	277	995	139	202	1,336	6,905	553	1,146	8,604
33+34	Footwear, leather, and leather products	16,491	135	17,686	34,312	.....	.....	.....	.....	331	2	53	386	1,464	24	103	1,591
35	Glass and glass products	979	43	1,158	2,180	.....	.....	.....	.....	185	10	23	218	1,544	46	225	1,815
36	Stone and clay products	2,570	104	3,002	5,676	.....	.....	.....	.....	-196	-11	6	-201	1,713	160	158	2,031
37	Primary iron and steel manufacturing	36	7	36	79	.....	.....	.....	.....	-339	16	15	-308	3,505	134	394	4,033
38	Primary nonferrous metals manufacturing	71	3	53	127	.....	.....	.....	.....	-392	20	7	-365	6,379	118	775	7,272
39	Metal containers .....	.....	.....	.....	.....	38	1	8	.....	42	10	.....	.....	341	7	25	373
40	Heating, plumbing, and fabricated structural metal products	326	12	229	567	3,612	26	387	4,025	-110	-3	6	-107	2,061	19	203	2,283
41	Screw machine products and stampings	1,345	16	1,509	2,870	.....	.....	.....	.....	217	5	49	271	2,171	28	269	2,468
42	Other fabricated metal products	4,266	136	3,979	8,381	2,415	108	434	2,957	67	14	40	121	4,849	161	794	5,804
43	Engines and turbines	169	3	45	217	3,271	48	75	3,394	-184	1	-6	-189	5,419	80	292	5,791
44+45	Farm, construction, and mining machinery	400	7	510	917	17,803	915	6,709	25,427	277	34	158	469	9,002	631	2,356	11,989
46	Materials handling machinery and equipment .....	.....	.....	.....	.....	5,743	184	1,298	7,225	-41	-1	-12	-54	1,302	41	287	1,630
47	Metalworking machinery and equipment	687	4	960	1,651	17,652	338	2,629	20,619	18	8	9	35	3,686	51	444	4,181
48	Special industry machinery and equipment	237	2	227	466	16,820	332	2,433	19,585	-106	.....	-4	-110	4,510	63	574	5,147
49	General industrial machinery and equipment .....	.....	.....	.....	.....	11,300	156	1,221	12,677	-80	2	-8	-86	7,834	107	873	8,614
50	Miscellaneous machinery, except electrical	136	7	109	252	700	15	91	806	-59	11	-6	-54	1,962	97	221	2,280
51	Computer and office equipment	5,368	64	3,838	9,270	36,169	441	8,331	44,941	-1,241	-1	-77	-1,319	22,925	239	3,696	26,860
52	Service industry machinery	910	16	684	1,610	7,376	112	1,878	9,366	165	1	40	206	3,320	44	629	3,993
53	Electrical industrial equipment and apparatus	200	3	189	392	6,826	187	1,078	8,091	77	12	31	120	4,083	52	663	4,798
54	Household appliances	13,100	623	7,869	21,592	2,668	121	1,475	4,264	-96	25	4	-67	2,329	95	214	2,638
55	Electric lighting and wiring equipment	2,023	99	2,624	4,746	283	7	66	356	141	19	84	244	2,839	74	500	3,413
56	Audio, video, and communication equipment	21,682	301	14,852	36,835	24,513	176	3,122	27,811	374	22	49	445	9,551	90	1,062	10,703
57	Electronic components and accessories	216	.....	114	330	.....	.....	.....	.....	-51	2	12	-37	16,150	120	2,075	18,345
58	Miscellaneous electrical machinery and supplies	6,298	332	5,859	12,489	2,058	42	397	2,497	-149	12	14	-123	5,702	129	1,058	6,889
59A	Motor vehicles—passenger cars and trucks	105,552	2,844	18,294	126,690	75,132	2,028	8,916	86,076	1,114	30	45	1,189	16,336	423	568	17,327
59B	Truck and bus bodies, trailers, and motor vehicles parts	4,277	132	3,318	7,727	4,981	65	361	5,407	-220	-3	-4	-227	16,995	483	1,725	19,203
60	Aircraft and parts	465	1	57	523	13,676	33	90	13,799	-8,011	-19	-30	-8,060	40,656	279	435	41,370
61	Other transportation equipment	11,958	86	4,277	16,321	4,741	90	358	5,189	-298	4	7	-287	3,354	23	109	3,486
62	Scientific and controlling instruments	5,479	33	5,047	10,559	43,637	258	5,651	49,546	-228	6	114	-108	17,864	67	2,120	20,051
63	Ophthalmic and photographic equipment	6,240	37	9,019	15,296	6,915	53	3,113	10,081	368	7	156	531	3,453	13	1,134	4,600
64	Miscellaneous manufacturing	36,410	754	43,551	80,715	5,365	596	1,673	7,634	765	34	189	988	4,427	137	1,182	5,746
65A	Railroads and related services; passenger ground transportation	16,447	.....	.....	16,447	.....	.....	.....	.....	.....	.....	.....	.....	633	.....	.....	633
65B	Motor freight transportation and warehousing	6,238	.....	.....	6,238	.....	.....	.....	.....	.....	.....	.....	.....	1,981	.....	.....	1,981
65C	Water transportation	4,975	</														

in Producers' and Purchasers' Prices, 1992 I-O Accounts

of dollars]

Imports of goods and services				Federal Government consumption expenditures and gross investment, national defense				Federal Government consumption expenditures and gross investment, nondefense				State and local government consumption expenditures and gross investment, education				State and local government consumption expenditures and gross investment, other				Commodity number		
Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices			
-2,061			-2,061	2			2	5			5	40			40	154		16	170	1		
-6,860			-6,860					-358	-28	3	-383	297	73	70	440	643	95	92	830	2		
-5,659			-5,659	-1			-1	-1,168			-1,168	9		1	10	-516		1	-515	3		
-21			-21	19			19	20			20	377			377	1,310			1,310	4		
1,488			1,488	-148	-17	-5	-170	1			1									5+6		
-133			-133	1			1	28	12	1	41	28	4		32	20	1		21	7		
-43,984			-43,984					-202	-40	-10	-252									8		
-898			-898	-3	-4		-7	5			9									9+10		
				5,234			5,234	10,569			10,569	20,251			20,251	80,809			80,809	11		
				6,649			6,649	3,780			3,780	6,802			6,802	25,263			25,263	12		
				16,479	51	52	16,582	2,698			2,698					145	1	7	153	13		
-809			-809									4,061	89	515	4,665	4,593	108	1,053	5,754	14		
-21,850			-21,850	269	3	29	301	195	7	29	231	-1			-1	-19	-1	-1	-21	15		
-1,587			-1,587									12	73		5	79	143	2	9	154	16	
-4,397			-4,397	51	3		58	12			12	73	1		5	19	57	1	11	69	17	
-1,879			-1,879	3			3	46	1		4	51	18		1	7	1,085	7	154	18		
-38,484			-38,484	505	4	73	582	1			1	6			1	7	379	3	46	428	19	
-2,870			-2,870	150	4	18	172	56			6	62	67		6	73	379	3	46	428	19	
-7,143			-7,143	14			14	17			17	75	6	17	98	101	2	9	112	20+21		
-6,026			-6,026	10			11	188			34	222	1,601	8	329	1,938	1,065	2	340	1,407	22+23	
-10,715			-10,715	98	1	10	109	601	16	47	664	1,654	113	177	1,944	1,606	89	161	1,856	24		
-247			-247	40			2	42	51	1	3	55	39	2	2	43	159	8	13	180	25	
-199			-199	12			1	13	99	5	9	113	406	23	53	482	246	8	24	278	26A	
-1,783			-1,783	290	2	16	308	706	27	82	815	4,346	146	502	4,994	2,124	27	172	2,323	26B		
-14,375			-14,375	3,109	88	35	3,232	1,159	32	26	1,217	826	45	50	921	2,711	180	185	3,076	27A		
-2,330			-2,330	8			1	9	19		2	21	146	5	50	201	354	16	96	466	27B	
-3,827			-3,827	11	1		12	6			6	1			1	1				1	28	
-13,193			-13,193	365	2	58	425	165			6	171	119		18	137	4,817	28	760	5,605	29A	
-2,052			-2,052	126	2	17	145	54	4		16	74	136		9	38	183	592	28	101	721	29B
-200			-200					6			1	7	296		19	47	362	116	7	18	141	30
-11,582			-11,582	2,771	137	287	3,195	338	14	29	381	5,385	240	506	6,131	6,683	309	625	7,617	31	31	
-13,253			-13,253	423	62	77	562	202	15	39	256	110	19	18	147	1,802	125	349	2,272	32	32	
-12,824			-12,824	41	1	6	48	4				4				160	3	9	172	33+34	33	
-2,159			-2,159	16			17	151			1	152	73	1	7	81	309	3	34	346	35	
-4,551			-4,551	30	4	3	37	64	2	12	78	80	2	9	91	100	5	12	117	36	36	
-10,893			-10,893	221	22	8	251	9	1		10	7	2	1	10	80	9	9	98	37	37	
-10,228			-10,228	84	1	5	90	158	1		15	174	5	1	6	73	30	4	107	38	38	
-201			-201	15			16					5			5	5				5	39	
-1,008			-1,008	342	11	9	362	335	3		23	361				11		1	12	40	40	
-2,628			-2,628	122	1	32	155	71			5	76	39		4	87		11	98	41	41	
-8,510			-8,510	426	8	72	506	208	12	31	251	452	29	75	556	1,039	53	176	1,268	42	42	
-2,413			-2,413	677	8	11	696	287	4	3	294	96			9	105	294	2	14	310	43	
-4,754			-4,754	473	28	101	602	33	1		5	39	86	3	28	117	1,577	94	342	2,013	44+45	
-1,468			-1,468	50	2	17	69	15			4	19	9		3	12	6		20	7	46	
-5,127			-5,127	24	1	2	27	40				40	222	5	36	263	178	3	20	201	47	
-5,881			-5,881	23			27	135			1	136	249	2	38	289	7		1	8	48	
-7,796			-7,796	244	4	35	283	48			2	50	147	1	9	155	338				49	
-1,895			-1,895	584	25	21	630	267	14	17	298	170	10	7	189	92	3	3	98	50	50	
-32,687			-32,687	1,185	13	179	1,377	1,679	9	189	1,877	1,969	17	501	2,487	1,962	12	433	2,407	51	51	
-2,243			-2,243	100	1	10	111	57	1	12	70	698	8	172	878	479	3	112	594	52	52	
-5,295			-5,295	502	3	52	557	300	4	66	370	257	4	30	291	449	11	91	551	53	53	
-4,072			-4,072	31			32	9			9	136	4		10	150			6	76	54	
-4,985			-4,985	227	1	8	236	112	2		39	153	393	7	146	546	331	3	105	439	55	
-25,409			-25,409	5,904	16	107	6,027	1,628	7		62	1,697	314	1	24	339	407		24	431	56	
-20,574			-20,574	1,660		77	1,737	260			11	271	81		6	87	156		7	163	57	
-8,062			-8,062	1,196	18	165	1,379	251			20	271	283	4	64	351	151	2	25	178	58	
-58,285			-58,285	1,579	43	58	1,680	525	14		18	557	1,364	36	48	1,448	4,523	113	162	4,798	59A	
-21,743			-21,743	417	8	205	445	422	4		2	428	669	16	69	754	1,001	20	106	1,127	59B	
-12,153			-12,153	35,971	170	20	36,346	1,575	4		3	1,582					45			45	60	
-2,693			-2,693	8,638	26	41	8,705	203			1	204	218	8	16	242	694	10	13	717	61	
-14,773			-14,773	21,840	114	1,096	23,050	4,293	12		279	4,584	561	1	54	616	3,702	14	392	4,108	62	
-8,153			-8,153	1,258	3	172	1,433	77			16	93	1,102	8	403	1,513	1,896	9	718	2,623	63	
-23,335			-23,335	149	14	52	215	-127	3		-44	-168	1,271	73	425	1,769	999	25	300	1,324	64	
-164			-164	576			576	235				235	3,578			3,578	365		</			

Table D.—Input-Output Commodity Composition of NIPA Personal Consumption Expenditure Categories, in Producers' and Purchasers' Prices, 1992
I-O Accounts
[Millions of dollars]

NIPA category ¹	NIPA description and I-O descriptions	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices	NIPA category ¹	NIPA description and I-O descriptions	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices
3	Food purchased for off-premise consumption (n.d.): Total 1 Livestock and livestock products 2 Other agricultural products 3 Forestry and fishery products 9+10 Nonmetallic minerals mining 14 Food and kindred products 27A Industrial and other chemicals 69B Retail trade 81 Scrap, used and secondhand goods	259,465 1,866 14,987 867 6 241,859 599 2 -721	9,661 21 2,972 17 8 6,605 38	144,583 615 10,929 389 4 132,382 264	413,709 2,502 28,888 1,273 18 380,846 901 2 -721	18	72B Personal and repair services (except auto) Jewelry and watches (d.): Total 62 Scientific and controlling instruments 64 Miscellaneous manufacturing 81 Scrap, used and secondhand goods	11,143 13,153 1,611 12,312 -770	 58 17 41	 18,434 2,094 15,704 636	11,143 31,645 3,722 28,057 -134
4	Purchased meals and beverages (n.d.): Total 65A Railroads and related services; passenger ground transportation 65D Air transportation 74 Eating and drinking places 76 Amusements 77B Educational and social services, and membership organizations	245,963 60 24 242,151 3,633 95	..... ..... ..... ..... ..... ..... .....	..... ..... ..... ..... ..... ..... .....	245,963 60 24 242,151 3,633 95	19	Other misc. personal, clothing and jewelry services (s.): Total 72B Personal and repair services (except auto) 73C Other business and professional services, except medical	16,042 16,022 20	..... ..... ..... .....	..... ..... ..... .....	16,042 16,022 20
5	Food furnished to employees (including military) (n.d.): Total 1 Livestock and livestock products 2 Other agricultural products 3 Forestry and fishery products 14 Food and kindred products	6,091 127 180 19 5,765	193 38 154	802 47 2 753	7,086 128 265 21 6,672	21	Toilet articles and preparations (n.d.): Total 19 Miscellaneous fabricated textile products ... 29B Cleaning and toilet preparations 32 Rubber and miscellaneous plastics products 42 Other fabricated metal products 54 Household appliances 58 Miscellaneous electrical machinery and supplies 64 Miscellaneous manufacturing	21,996 89 19,370 45 843 648 511 490	613 410 2 32 33 68 68	15,294 56 13,313 43 577 316 504 485	37,903 145 33,093 90 1,452 997 1,083 1,043
6	Food produced and consumed on farms (n.d.): Total 1 Livestock and livestock products 2 Other agricultural products 14 Food and kindred products	590 88 116 386	..... ..... ..... .....	..... ..... ..... .....	590 88 116 386	22	Barbershops, beauty parlors, and health clubs (s.): Total 72A Hotels and lodging places 72B Personal and repair services (except auto) 76 Amusements	20,065 1,114 15,601 3,350	..... ..... ..... .....	..... ..... ..... .....	20,065 1,114 15,601 3,350
7	Tobacco products (n.d.): Total 15 Tobacco products	30,395 30,395	181 181	17,432 17,432	48,008 48,008	24	Owner-occupied nonfarm dwellings-space rent (s.): Total 71A Owner-occupied dwellings	451,983 451,983	..... .....	..... .....	451,983 451,983
12	Shoes and other footwear (n.d.): Total 32 Rubber and miscellaneous plastics products 33+34 Footwear, leather, and leather products 81 Scrap, used and secondhand goods	14,926 3,749 11,177	121 67 54	17,856 4,560 13,255 41	32,903 8,376 24,486 41	25	Tenant-occupied nonfarm dwellings-rent (s.): Total 71B Real estate and royalties	160,733 160,733	..... .....	..... .....	160,733 160,733
14	Women's and children's clothing and accessories, except shoes (n.d.): Total 16 Broad and narrow fabrics, yarn and thread mills 18 Apparel 19 Miscellaneous fabricated textile products ... 24 Paper and allied products, except containers 26B Other printing and publishing 32 Rubber and miscellaneous plastics products 33+34 Footwear, leather, and leather products 64 Miscellaneous manufacturing 69B Retail trade 72B Personal and repair services (except auto) 81 Scrap, used and secondhand goods	57,151 1,344 48,207 201 3,349 208 24 3,663 274 88 25 -232	540 30 363 2 37 37 2 45 24	65,715 2,047 57,057 187 1,615 396 39 3,201 460 2 711	123,406 3,421 105,627 390 5,001 641 65 6,909 758 90 25 479	26	Rental value of farm dwellings (s.): Total 71A Owner-occupied dwellings 71B Real estate and royalties	5,349 5,267 82	..... ..... .....	..... ..... .....	5,349 5,267 82
15	Men's and boys' clothing and accessories, except shoes (n.d.): Total 16 Broad and narrow fabrics, yarn and thread mills 18 Apparel 32 Rubber and miscellaneous plastics products 33+34 Footwear, leather, and leather products 64 Miscellaneous manufacturing 69B Retail trade 72B Personal and repair services (except auto) 81 Scrap, used and secondhand goods	33,851 131 32,557 17 1,150 110 43 38 -195	296 2 264 1 17 12	31,128 191 29,714 19 834 148 222	65,275 324 62,535 37 2,001 270 43 38 27	27	Other housing (s.): Total 72A Hotels and lodging places	24,509 24,509	..... .....	..... .....	24,509 24,509
16	Standard clothing issued to military personnel (n.d.): Total 18 Apparel 19 Miscellaneous fabricated textile products ... 33+34 Footwear, leather, and leather products	218 170 8 40	..... ..... ..... .....	26 23 8 3	244 193 8 43	29	Furniture, including mattresses and bedsprings (d.): Total 22+23 Furniture and fixtures 81 Scrap, used and secondhand goods	20,041 19,943 98	122 122	18,794 18,235 559	38,957 38,300 657
17	Cleaning, storage, and repair of clothing and shoes (s.): Total 72A Hotels and lodging places	11,365 222	..... .....	..... .....	11,365 222	30	Kitchen and other household appliances (d.): Total 38 Primary nonferrous metals manufacturing ... 40 Heating, plumbing, and fabricated structural metal products 52 Service industry machinery 54 Household appliances 58 Miscellaneous electrical machinery and supplies 81 Scrap, used and secondhand goods	14,508 61 302 742 12,342 1,020 41	626 1 12 13 584 16	9,153 41 207 530 7,474 757 144	24,287 103 521 1,285 20,400 1,793 185
						31	China, glassware, tableware, and utensils (d.): Total 20+21 Lumber and wood products 32 Rubber and miscellaneous plastics products 35 Glass and glass products 36 Stone and clay products 38 Primary nonferrous metals manufacturing ... 41 Screw machine products and stampings 42 Other fabricated metal products 64 Miscellaneous manufacturing 69B Retail trade 81 Scrap, used and secondhand goods	8,156 595 3,667 424 747 10 1,228 857 573 44 11	227 14 110 22 16 2 13 50	11,194 768 5,618 591 852 12 1,310 1,107 710 226	19,577 1,377 9,395 1,037 1,615 24 2,551 2,014 1,283 44 237
						32	Other durable house furnishings (d.): Total 17 Miscellaneous textile goods and floor coverings 19 Miscellaneous fabricated textile products ... 20+21 Lumber and wood products 22+23 Furniture and fixtures 26B Other printing and publishing	18,088 5,143 454 1,554 1,680 41	599 237 4 45 41	20,106 4,850 432 1,451 1,613 35	38,793 10,230 890 3,050 3,334 76

Table D.—Input-Output Commodity Composition of NIPA Personal Consumption Expenditure Categories, in Producers' and Purchasers' Prices, 1992
I-O Accounts—Continued
 [Millions of dollars]

NIPA category ¹	NIPA description and I-O descriptions	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices	NIPA category ¹	NIPA description and I-O descriptions	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices
	32 Rubber and miscellaneous plastics products	222	9	258	489	39	Water and other sanitary services (s.):				
	33+34 Footwear, leather, and leather products	125	6	119	250		Total	30,293			30,293
	35 Glass and glass products	414	20	423	857		68C Water and sanitary services	20,426			20,426
	36 Stone and clay products	1,143	27	1,043	2,213		79 State and local government enterprises	9,867			9,867
	40 Heating, plumbing, and fabricated structural metal products	24		22	46	40	Fuel oil and coal (n.d.):				
	42 Other fabricated metal products	1,548	40	1,733	3,321		Total	6,235	435	5,495	12,165
	44+45 Farm, construction, and mining machinery	400	7	510	917		7 Coal mining	68	28	69	165
	47 Metalworking machinery and equipment	687	4	960	1,651		20+21 Lumber and wood products	105	2	96	203
	48 Special industry machinery and equipment	237	2	227	466		27A Industrial and other chemicals	345	39	276	660
	50 Miscellaneous machinery, except electrical	110	2	90	202		31 Petroleum refining and related products	5,679	366	5,054	11,099
	51 Computer and office equipment	268	4	226	498		68C Water and sanitary services	38			38
	53 Electrical industrial equipment and apparatus	102	1	90	193	41	Telephone and telegraph (s.):				
	55 Electric lighting and wiring equipment	932	76	1,136	2,144		Total	70,669			70,669
	56 Audio, video, and communication equipment	1,119	10	1,132	2,261		66 Communications, except radio and TV	70,129			70,129
	61 Other transportation equipment	79	3	71	153		72A Hotels and lodging places	540			540
	62 Scientific and controlling instruments	408	3	430	841	42	Domestic service (s.):				
	64 Miscellaneous manufacturing	1,207	58	1,668	2,933		Total	11,356			11,356
	69B Retail trade	113			113		73C Other business and professional services, except medical	1,269			1,269
	81 Scrap, used and secondhand goods	78		1,587	1,665		84 Household industry	10,087			10,087
33	Semidurable house furnishings (n.d.):					43	Other household operation (s.):				
	Total	12,918	318	12,336	25,572		Total	27,116			27,116
	16 Broad and narrow fabrics, yarn and thread mills	208	7	165	380		65B Motor freight transportation and warehousing	6,065			6,065
	17 Miscellaneous textile goods and floor coverings	243	2	192	437		65C Water transportation	162			162
	19 Miscellaneous fabricated textile products	9,783	86	8,709	18,578		65D Air transportation	33			33
	20+21 Lumber and wood products	275	6	244	525		70B Insurance	-244			-244
	26B Other printing and publishing	118		99	217		72B Personal and repair services (except auto)	5,477			5,477
	32 Rubber and miscellaneous plastics products	653	24	650	1,327		73C Other business and professional services, except medical	8,922			8,922
	35 Glass and glass products	127	1	133	261		78 Federal Government enterprises	6,690			6,690
	37 Primary iron and steel manufacturing	36	7	36	79		81 Scrap, used and secondhand goods	11			11
	41 Screw machine products and stampings	117	3	199	319	45	Drug preparations and sundries (n.d.):				
	54 Household appliances	92	5	71	168		Total	48,402	310	27,182	75,894
	64 Miscellaneous manufacturing	1,264	177	1,798	3,239		19 Miscellaneous fabricated textile products	23		12	35
	69B Retail trade	2		1	3		24 Paper and allied products, except containers	1,894	22	920	2,836
	81 Scrap, used and secondhand goods			39	39		27A Industrial and other chemicals	53	9	42	104
34	Cleaning and polishing preparations, and miscellaneous household supplies and paper products (n.d.):						29A Drugs	43,864	242	25,022	69,128
	Total	25,213	1,367	14,480	41,060		31 Petroleum refining and related products	38	2	20	60
	3 Forestry and fishery products	33		8	41		32 Rubber and miscellaneous plastics products	517	27	372	916
	9+10 Nonmetallic minerals mining	33	39	19	91		54 Household appliances	18	1	8	27
	17 Miscellaneous textile goods and floor coverings	129	1	46	176		55 Electric lighting and wiring equipment	7		5	12
	24 Paper and allied products, except containers	8,946	303	4,060	13,309		62 Scientific and controlling instruments	1,988	7	781	2,776
	25 Paperboard containers and boxes	381		262	643	46	Ophthalmic products and orthopedic appliances (d.):				
	26B Other printing and publishing	12		4	16		Total	4,633	24	8,344	13,001
	27A Industrial and other chemicals	239	42	138	419		58 Miscellaneous electrical machinery and supplies	167	5	241	413
	27B Agricultural fertilizers and chemicals	920	48	690	1,658		62 Scientific and controlling instruments	1,313	5	1,682	3,000
	29B Cleaning and toilet preparations	10,728	757	6,010	17,495		63 Ophthalmic and photographic equipment	3,140	14	6,421	9,575
	30 Paints and allied products	480	32	226	738		81 Scrap, used and secondhand goods	13			13
	32 Rubber and miscellaneous plastics products	322	15	133	470	47	Physicians (s.):				
	36 Stone and clay products	374	39	192	605		Total	166,429			166,429
	42 Other fabricated metal products	551	2	193	746		77A Health services	166,429			166,429
	53 Electrical industrial equipment and apparatus	87	2	93	182	48	Dentists (s.):				
	55 Electric lighting and wiring equipment	939	22	1,357	2,318		Total	37,636			37,636
	58 Miscellaneous electrical machinery and supplies	740	24	612	1,376		77A Health services	37,636			37,636
	64 Miscellaneous manufacturing	299	41	437	777	49	Other professional medical services (s.):				
35	Stationery and writing supplies (n.d.):						Total	85,216			85,216
	Total	6,043	409	8,398	14,850		65A Railroads and related services; passenger ground transportation	2,507			2,507
	24 Paper and allied products, except containers	601	14	597	1,212		73C Other business and professional services, except medical	1,042			1,042
	26B Other printing and publishing	4,312	271	5,960	10,543		77A Health services	81,667			81,667
	27A Industrial and other chemicals	573	120	717	1,410	52	Nonprofit hospitals (s.):				
	32 Rubber and miscellaneous plastics products	4		7	11		Total	184,823			184,823
	64 Miscellaneous manufacturing	550	4	1,109	1,663		77A Health services	184,823			184,823
	81 Scrap, used and secondhand goods	3		8	11	53	Proprietary hospitals (s.):				
37	Electricity (s.):						Total	30,345			30,345
	Total	79,337			79,337		77A Health services	30,345			30,345
	68A Electric services (utilities)	79,337			79,337	54	Government hospitals (s.):				
38	Gas (s.):						Total	55,154			55,154
	Total	29,537			29,537		77A Health services	55,154			55,154
	68B Gas production and distribution (utilities)	29,537			29,537						

Table D.—Input-Output Commodity Composition of NIPA Personal Consumption Expenditure Categories, in Producers' and Purchasers' Prices, 1992
I-O Accounts—Continued
 [Millions of dollars]

NIPA category ¹	NIPA description and I-O descriptions	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices	NIPA category ¹	NIPA description and I-O descriptions	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices
55	Nursing homes (s.):						59B Truck and bus bodies, trailers, and motor vehicles parts				
	Total	50,166			50,166		81 Scrap, used and secondhand goods	4,277	132	3,318	7,727
	77A Health services	50,166			50,166			-557	-29	542	-44
56	Health insurance (s.):					74	Repair, greasing, washing, parking, storage, rental and leasing (s.):				
	Total	43,224			43,224		Total	90,128		165	90,293
	70B Insurance	43,224			43,224		75 Automotive repair and services	90,099		165	90,264
61	Brokerage charges and investment counseling (s.):						76 Amusements	6			6
	Total	28,719			28,719		77B Educational and social services, and membership organizations	23			23
	70A Finance	28,719			28,719	75	Gasoline and oil (n.d.):				
62	Bank service charges, trust services, and safe deposit box rental (s.):						Total	47,638	2,737	54,505	104,880
	Total	30,934			30,934		31 Petroleum refining and related products	47,638	2,737	54,505	104,880
	70A Finance	30,934			30,934	76	Bridge, tunnel, ferry, and road tolls (s.):				
63	Services furnished without payment by financial intermediaries except life insurance carriers and private noninsured pension plans (s.):						Total	2,839			2,839
	Total	137,479			137,479		79 State and local government enterprises	2,839			2,839
	70A Finance	137,479			137,479	77	Motor vehicle insurance (s.):				
64	Expense of handling life insurance (s.):						Total	25,728			25,728
	Total	69,380			69,380		70B Insurance	25,728			25,728
	70B Insurance	69,380			69,380	79	Mass transit systems (s.):				
65	Legal services (s.):						Total	6,463			6,463
	Total	44,864			44,864		65A Railroads and related services; passenger ground transportation	6,463			6,463
	73B Legal, engineering, accounting, and related services	44,864			44,864	80	Taxicab (s.):				
66	Funeral and burial expenses (s.):						Total	2,586			2,586
	Total	9,994	24	944	10,962		65A Railroads and related services; passenger ground transportation	2,586			2,586
	36 Stone and clay products	306	22	915	1,243	82	Railway (s.):				
	42 Other fabricated metal products	15	2	29	46		Total	647			647
	65D Air transportation	120			120		65A Railroads and related services; passenger ground transportation	647			647
	71B Real estate and royalties	2,625			2,625	83	Bus (s.):				
	72B Personal and repair services (except auto)	6,928			6,928		Total	1,595			1,595
67	Other personal business (s.):						65A Railroads and related services; passenger ground transportation	1,595			1,595
	Total	18,891			18,891	84	Airline (s.):				
	66 Communications, except radio and TV	385			385		Total	21,281			21,281
	70A Finance	875			875		65D Air transportation	21,281			21,281
	70B Insurance	91			91	85	Other intercity transportation (s.):				
	72B Personal and repair services (except auto)	1,971			1,971		Total	3,592			3,592
	73B Legal, engineering, accounting, and related services	917			917		65A Railroads and related services; passenger ground transportation	408			408
	73C Other business and professional services, except medical	2,747			2,747		65B Motor freight transportation and warehousing	173			173
	73D Advertising	676			676		65C Water transportation	197			197
	77B Educational and social services, and membership organizations	10,922			10,922		65E Pipelines, freight forwarders, and related services	2,814			2,814
	78 Federal Government enterprises	191			191	87	Books and maps (d.):				
	80 Noncomparable imports	116			116		Total	9,795	363	6,990	17,148
70	New autos (d.):						26B Other printing and publishing	9,778	363	6,768	16,909
	Total	64,878	1,748	11,390	78,016		69B Retail trade	21			21
	59A Motor vehicles (passenger cars and trucks)	64,878	1,748	11,390	78,016		81 Scrap, used and secondhand goods	-4		222	218
71	Net purchases of used autos (d.):					88	Magazines, newspapers, and sheet music (n.d.):				
	Total	17,223		13,954	31,177		Total	14,755	772	6,432	21,959
	81 Scrap, used and secondhand goods	17,223		13,954	31,177		26A Newspapers and periodicals	14,339	653	6,018	21,010
72	Other motor vehicles (d.):						26B Other printing and publishing	711	119	406	1,236
	Total	47,383	1,112	12,028	60,523		81 Scrap, used and secondhand goods	-295		8	-287
	59A Motor vehicles (passenger cars and trucks)	40,674	1,096	6,904	48,674	89	Nondurable toys and sport supplies (n.d.):				
	61 Other transportation equipment	4,747	16	1,333	6,096		Total	18,158	371	17,994	36,523
	81 Scrap, used and secondhand goods	1,962		3,791	5,753		1 Livestock and livestock products	218	11	137	366
73	Tires, tubes, accessories, and other parts (d.):						3 Forestry and fishery products	754		398	1,152
	Total	13,063	2,756	14,704	30,523		13 Ordnance and accessories	599	6	371	976
	19 Miscellaneous fabricated textile products	6		5	11		17 Miscellaneous textile goods and floor coverings	63	2	62	127
	32 Rubber and miscellaneous plastics products	5,580	2,443	6,866	14,889		24 Paper and allied products, except containers	131	13	122	266
	35 Glass and glass products	14		11	25		26B Other printing and publishing	102		65	167
	42 Other fabricated metal products	96		77	173		27A Industrial and other chemicals	345	63	287	695
	50 Miscellaneous machinery, except electrical	26	5	19	50		32 Rubber and miscellaneous plastics products	123	5	117	245
	52 Service industry machinery	168	3	154	325		53 Electrical industrial equipment and apparatus	11		6	17
	55 Electric lighting and wiring equipment	92		74	166		55 Electric lighting and wiring equipment	53	1	52	106
	56 Audio, video, and communication equipment	920	9	812	1,741		58 Miscellaneous electrical machinery and supplies	349	4	295	648
	57 Electronic components and accessories	5		3	8						
	58 Miscellaneous electrical machinery and supplies	2,436	193	2,823	5,452						

Table D.—Input-Output Commodity Composition of NIPA Personal Consumption Expenditure Categories, in Producers' and Purchasers' Prices, 1992
I-O Accounts—Continued
 [Millions of dollars]

NIPA category ¹	NIPA description and I-O descriptions	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices	NIPA category ¹	NIPA description and I-O descriptions	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices
90	63 Ophthalmic and photographic equipment	1,923	14	1,606	3,543	100	65A Railroads and related services; passenger ground transportation	2,181	.....	.....	2,181
	64 Miscellaneous manufacturing	13,472	252	14,465	28,189		65C Water transportation	1,373	.....	.....	1,373
	72B Personal and repair services (except auto)	15	.....	8	23		65D Air transportation	91	.....	.....	91
	81 Scrap, used and secondhand goods .....	.....	.....	3	3		70B Insurance	2	.....	.....	2
	Wheel goods, sports and photographic equipment, boats, and pleasure aircraft (d.):						73C Other business and professional services, except medical	64	.....	.....	64
	Total	17,347	217	12,528	30,092		76 Amusements	26,023	.....	.....	26,023
	13 Ordnance and accessories	874	.....	652	1,526		77B Educational and social services, and membership organizations	151	.....	.....	151
	19 Miscellaneous fabricated textile products	625	7	471	1,103						
	32 Rubber and miscellaneous plastics products	128	49	149	326		Pari-mutuel net receipts (s.):				
	33+34 Footwear, leather, and leather products	306	13	253	572		Total	3,366	.....	.....	3,366
91	42 Other fabricated metal products	356	10	263	629	101	76 Amusements	3,366	.....	.....	3,366
	43 Engines and turbines	169	3	45	217		Other recreational expenditures (s.):				
	58 Miscellaneous electrical machinery and supplies	31	.....	7	38		Total	74,579	69	1,454	76,102
	60 Aircraft and parts	465	1	57	523		1 Livestock and livestock products	1,410	68	538	2,016
	61 Other transportation equipment	7,132	67	2,873	10,072		3 Forestry and fishery products	1,412	1	49	1,462
	62 Scientific and controlling instruments	159	1	60	220		4 Agricultural, forestry, and fishery services	729	.....	.....	729
	63 Ophthalmic and photographic equipment	1,177	9	992	2,178		66 Communications, except radio and TV	19,883	.....	.....	19,883
	64 Miscellaneous manufacturing	4,992	57	5,760	10,809		67 Radio and TV broadcasting	1,839	.....	.....	1,839
	73C Other business and professional services, except medical	666	.....	414	1,080		72A Hotels and lodging places	3,496	.....	.....	3,496
	81 Scrap, used and secondhand goods	267	.....	532	799		72B Personal and repair services (except auto)	5,318	.....	.....	5,318
92	Video and audio products, computing equipment, and musical instruments (d.):					103	73A Computer and data processing services ...	307	.....	.....	307
	Total	33,796	387	22,857	57,040		73C Other business and professional services, except medical	5,520	.....	400	5,920
	33+34 Footwear, leather, and leather products	30	.....	21	51		76 Amusements	18,734	.....	.....	18,734
	51 Computer and office equipment	5,100	60	3,612	8,772		77A Health services	5,108	.....	.....	5,108
	56 Audio, video, and communication equipment	19,643	282	12,908	32,833		77B Educational and social services, and membership organizations	982	.....	.....	982
	57 Electronic components and accessories	211	.....	111	322		79 State and local government enterprises	9,783	.....	.....	9,783
	58 Miscellaneous electrical machinery and supplies	1,044	22	620	1,686		81 Scrap, used and secondhand goods	58	.....	467	525
	64 Miscellaneous manufacturing	867	20	807	1,694		Higher education (s.):				
	71B Real estate and royalties	3,200	.....	1,994	5,194		Total	52,428	.....	.....	52,428
	73A Computer and data processing services ...	2,137	2	825	2,964		77B Educational and social services, and membership organizations	52,428	.....	.....	52,428
93	76 Amusements	1,368	1	1,552	2,921	104	Nursery, elementary, and secondary schools (s.):				
	81 Scrap, used and secondhand goods	196	.....	407	603		Total	23,311	.....	.....	23,311
	Radio and television repair (s.):						77B Educational and social services, and membership organizations	23,311	.....	.....	23,311
	Total	3,438	.....	.....	3,438		Other private education and research (s.):				
	72B Personal and repair services (except auto)	3,064	.....	.....	3,064		Total	20,738	.....	.....	20,738
	73C Other business and professional services, except medical	374	.....	.....	374		76 Amusements	712	.....	.....	712
	Flowers, seeds, and potted plants (n.d.):						77B Educational and social services, and membership organizations	20,026	.....	.....	20,026
	Total	4,541	537	6,883	11,961		Religious and welfare activities (s.):				
	2 Other agricultural products	4,248	537	6,883	11,668		Total	112,314	.....	.....	112,314
	73C Other business and professional services, except medical	293	.....	.....	293		77B Educational and social services, and membership organizations	112,314	.....	.....	112,314
95	Motion picture theaters (s.):					108	Foreign travel by U.S. residents (s.):				
	Total	4,939	.....	.....	4,939		Total	45,943	.....	.....	45,943
	65D Air transportation	3	.....	.....	3		65C Water transportation	3,243	.....	.....	3,243
	76 Amusements	4,808	.....	.....	4,808		65D Air transportation	12,377	.....	.....	12,377
	77B Educational and social services, and membership organizations	128	.....	.....	128		80 Noncomparable imports	30,323	.....	.....	30,323
	Legitimate theaters and opera, and entertainments of nonprofit institutions (except athletics) (s.):					109	Expenditures abroad by U.S. residents (n.d.):				
	Total	6,037	.....	.....	6,037		Total	2,570	.....	.....	2,570
	76 Amusements	5,854	.....	.....	5,854		80 Noncomparable imports	2,570	.....	.....	2,570
	77B Educational and social services, and membership organizations	183	.....	.....	183		Expenditures in the United States by nonresidents (s.):				
	Spectator sports (s.):						Total	-64,871	.....	.....	-64,871
	Total	5,131	.....	.....	5,131		83 Rest of the world adjustment to final uses	-64,871	.....	.....	-64,871
	76 Amusements	2,838	.....	.....	2,838		Personal remittances in kind to nonresidents (n.d.):				
	77B Educational and social services, and membership organizations	2,293	.....	.....	2,293		Total	-1,610	.....	.....	-1,610
	Clubs and fraternal organizations (s.):						83 Rest of the world adjustment to final uses	-1,610	.....	.....	-1,610
	Total	10,667	.....	.....	10,667		Total personal consumption expenditures	3,551,945	27,193	629,580	4,208,718
	76 Amusements	7,774	.....	.....	7,774		Total durable commodities (d.)	282,064	8,239	180,476	470,779
	77B Educational and social services, and membership organizations	2,893	.....	.....	2,893		Total nondurable commodities (n.d.)	855,509	18,861	446,541	1,320,911
	Commercial participant amusements (s.):						Total services (s.)	2,414,372	93	2,563	2,417,028
99	Total	29,885	.....	.....	29,885						

1. The NIPA category refers to the line number associated with the PCE category in NIPA table 2.4.

Table E.—Input-Output Commodity Composition of NIPA Producers' Durable Equipment Expenditure Categories, in Producers' and Purchasers' Prices, 1992 I-O Accounts

[Millions of dollars]

NIPA category ¹	NIPA description and I-O descriptions	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices	NIPA category ¹	NIPA description and I-O descriptions	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices
5	Computers and peripheral equipment:						50 Miscellaneous machinery, except electrical ...	120	1	56	177
	Total	36,139	390	7,051	43,580		73B Legal, engineering, accounting, and related services	1,127			1,127
	51 Computer and office equipment	32,698	390	7,051	40,139		81 Scrap, used and secondhand goods	-26		901	875
	73A Computer and data processing services	3,441			3,441						
6	Office equipment except computers:					16	Electrical transmission, distribution, and industrial apparatus:				
	Total	4,360	63	1,727	6,150		Total	13,084	250	1,516	14,850
	50 Miscellaneous machinery, except electrical ...	539	13	34	586		47 Metalworking machinery and equipment	1,001	36	163	1,200
	51 Computer and office equipment	3,317	50	1,260	4,627		53 Electrical industrial equipment and apparatus	6,826	187	1,078	8,091
	73B Legal, engineering, accounting, and related services	451			451		62 Scientific and controlling instruments	4,256	27	275	4,558
	81 Scrap, used and secondhand goods	53		433	486		73B Legal, engineering, accounting, and related services	1,001			1,001
7	Communication equipment:					18	Trucks, buses, and truck trailers:				
	Total	43,664	253	3,889	47,806		Total	31,253	823	4,079	36,155
	13 Ordnance and accessories	29			29		59A Motor vehicles (passenger cars and trucks)	27,995	758	3,236	31,989
	38 Primary nonferrous metals manufacturing	52	1	8	61		59B Truck and bus bodies, trailers, and motor vehicles parts	4,981	65	361	5,407
	51 Computer and office equipment	154	1	20	175		81 Scrap, used and secondhand goods	-1,723		482	-1,241
	56 Audio, video, and communication equipment	24,445	175	3,098	27,718						
	58 Miscellaneous electrical machinery and supplies	1,304	15	280	1,599	19	Autos:				
	62 Scientific and controlling instruments	9,693	61	483	10,237		Total	24,685	1,270	6,074	32,029
	66 Communications, except radio and TV	5,065			5,065		59A Motor vehicles (passenger cars and trucks)	47,137	1,270	5,680	54,087
	73B Legal, engineering, accounting, and related services	2,905			2,905		81 Scrap, used and secondhand goods	-22,452		394	-22,058
	81 Scrap, used and secondhand goods	17			17						
8	Instruments:					20	Aircraft:				
	Total	22,759	113	3,691	26,563		Total	13,536	43	142	13,721
	62 Scientific and controlling instruments	21,462	113	3,691	25,266		22+23 Furniture and fixtures	214	3	10	227
	73B Legal, engineering, accounting, and related services	1,269			1,269		60 Aircraft and parts	13,676	33	90	13,799
	81 Scrap, used and secondhand goods	28			28		62 Scientific and controlling instruments	695	7	42	744
9	Photocopy and related equipment:						81 Scrap, used and secondhand goods	-1,049			-1,049
	Total	9,277	58	3,236	12,571	21	Ships and boats:				
	62 Scientific and controlling instruments	1,406	5	123	1,534		Total	1,116	2	59	1,177
	63 Ophthalmic and photographic equipment	6,915	53	3,113	10,081		61 Other transportation equipment	1,085	2	42	1,129
	73B Legal, engineering, accounting, and related services	904			904		81 Scrap, used and secondhand goods	31		17	48
	81 Scrap, used and secondhand goods	52			52	22	Railroad equipment:				
11	Fabricated metal products:						Total	2,858	43	109	3,010
	Total	8,629	155	815	9,599		61 Other transportation equipment	2,648	43	20	2,711
	5+6 Metallic ores mining	50	20	1	71		73B Legal, engineering, accounting, and related services	206			206
	27A Industrial and other chemicals	1,957			1,957		81 Scrap, used and secondhand goods	4		89	93
	37 Primary iron and steel manufacturing	16			16	24	Furniture and fixtures:				
	39 Metal containers	38	1	3	42		Total	17,016	179	4,081	21,276
	40 Heating, plumbing, and fabricated structural metal products	3,612	26	387	4,025		22+23 Furniture and fixtures	15,686	179	3,862	19,727
	42 Other fabricated metal products	2,388	108	424	2,920		73B Legal, engineering, accounting, and related services	1,402			1,402
	46 Materials handling machinery and equipment	5			5		81 Scrap, used and secondhand goods	-72		219	147
	73B Legal, engineering, accounting, and related services	563			563	25	Tractors:				
12	Engines and turbines:						Total	4,188	183	2,355	6,726
	Total	3,540	48	75	3,663		44+45 Farm, construction, and mining machinery	4,249	183	2,149	6,581
	43 Engines and turbines	3,271	48	75	3,394		81 Scrap, used and secondhand goods	-61		206	145
	73B Legal, engineering, accounting, and related services	269			269	26	Agricultural machinery, except tractors:				
13	Metalworking machinery:						Total	4,850	211	2,071	7,132
	Total	17,733	302	2,466	20,501		44+45 Farm, construction, and mining machinery	4,430	211	1,445	6,086
	47 Metalworking machinery and equipment	16,651	302	2,466	19,419		73B Legal, engineering, accounting, and related services	412			412
	73B Legal, engineering, accounting, and related services	1,135			1,135		81 Scrap, used and secondhand goods	8		626	634
	81 Scrap, used and secondhand goods	-53			-53	27	Construction machinery, except tractors:				
14	Special industry machinery, n.e.c.:						Total	6,385	415	1,642	8,442
	Total	19,487	351	2,992	22,830		44+45 Farm, construction, and mining machinery	5,996	415	1,227	7,638
	32 Rubber and miscellaneous plastics products	130	6	32	168		73B Legal, engineering, accounting, and related services	478			478
	42 Other fabricated metal products	27		10	37		81 Scrap, used and secondhand goods	-89		415	326
	48 Special industry machinery and equipment ...	16,820	332	2,433	19,585	28	Mining and oilfield machinery:				
	49 General industrial machinery and equipment	1,029	11	124	1,164		Total	909	38	350	1,297
	52 Service industry machinery	1			1		8 Crude petroleum and natural gas	23			23
	58 Miscellaneous electrical machinery and supplies	95	2	20	117		44+45 Farm, construction, and mining machinery	792	38	178	1,008
	73B Legal, engineering, accounting, and related services	1,379			1,379		49 General industrial machinery and equipment	21		3	24
	81 Scrap, used and secondhand goods	6		373	379		73B Legal, engineering, accounting, and related services	72			72
15	General industrial, including materials handling, equipment:						81 Scrap, used and secondhand goods	1		169	170
	Total	17,244	332	3,356	20,932	29	Service industry machinery:				
	44+45 Farm, construction, and mining machinery	35	2	7	44		Total	8,116	113	1,879	10,108
	46 Materials handling machinery and equipment	5,738	184	1,298	7,220		50 Miscellaneous machinery, except electrical ...	41	1	1	43
	49 General industrial machinery and equipment	10,250	145	1,094	11,489						

Table E.—Input-Output Commodity Composition of NIPA Producers' Durable Equipment Expenditure Categories, in Producers' and Purchasers' Prices, 1992 I-O Accounts—Continued

(Millions of dollars)

NIPA category ¹	NIPA description and I-O descriptions	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices	NIPA category ¹	NIPA description and I-O descriptions	Producers' prices	Transportation costs	Wholesale and retail trade margins	Purchasers' prices
30	52 Service industry machinery	7,375	112	1,878	9,365	32	61 Other transportation equipment	1,008	45	296	1,349
	73B Legal, engineering, accounting, and related services	673	.....	.....	673		64 Miscellaneous manufacturing	5,365	596	1,673	7,634
	81 Scrap, used and secondhand goods	27	.....	.....	27		73B Legal, engineering, accounting, and related services	857	.....	.....	857
	Electrical equipment, n.e.c.:						81 Scrap, used and secondhand goods	-93	.....	.....	-93
	Total	8,102	90	1,225	9,417		Sale of equipment scrap, excluding autos:				
	54 Household appliances	374	13	25	412		Total	-2,006	.....	.....	-2,006
	55 Electric lighting and wiring equipment	283	7	66	356		81 Scrap, used and secondhand goods	-2,006	.....	.....	-2,006
	58 Miscellaneous electrical machinery and supplies	659	25	97	781	33	Residential (landlord durables):				
	62 Scientific and controlling instruments	6,125	45	1,037	7,207		Total	3,760	164	1,997	5,921
	73B Legal, engineering, accounting, and related services	682	.....	.....	682		17 Miscellaneous textile goods and floor coverings	1,192	54	457	1,703
31	81 Scrap, used and secondhand goods	-21	.....	.....	-21		22+23 Furniture and fixtures	191	.....	58	249
	Other nonresidential equipment:						32 Rubber and miscellaneous plastics products	15	1	8	24
	Total	10,660	763	4,122	15,545		54 Household appliances	2,294	108	1,450	3,852
	17 Miscellaneous textile goods and floor coverings	1,151	53	438	1,642		56 Audio, video, and communication equipment	68	1	24	93
	20+21 Lumber and wood products	1	.....	.....	1		Total producers durable equipment	331,344	6,652	60,999	398,995
	32 Rubber and miscellaneous plastics products	70	3	12	85		Total nonresidential equipment	327,584	6,488	59,002	393,074
	44+45 Farm, construction, and mining machinery	2,301	66	1,703	4,070		Total residential equipment	3,760	164	1,997	5,921

1. The NIPA category refers to the corresponding line number associated with the PDE category in NIPA table 5.8.

Text continues from page 47.

steel sheet, strip, and bars (commodity 37.0104); steel pipe and tubes (commodity 37.0105); secondary nonferrous metals (commodity 38.0600); copper foundries (commodity 38.1200); nonferrous castings, n.e.c. (commodity 38.1300); Federal electric utilities (78.0200); State and local government passenger transit (commodity 79.0100); and State and local government electric utilities (commodity 79.0200).

Definitions and conventions for valuation of transactions

This section describes the underlying definitions and conventions for valuation that are used in preparing the estimates of transactions in commodities. It also describes the valuation used in wholesale trade, retail trade, imports of goods and services, exports of goods and services, and the change in business inventories.

Transactions in commodities are valued at producers' prices in the I-O accounts. These prices exclude distribution costs (wholesale and retail trade margins and transportation costs), but they include excise taxes collected and remitted by producers. Transportation costs and trade margins are shown as separate purchases by the users of the commodities. The sum of the producers' value, transportation costs, and trade margins equals the purchasers' value. Thus, the flows of commodities for resale to and from wholesale

trade and retail trade are not shown. If trade were shown as buying and reselling commodities, industrial and final users would make most of their purchases from a single source—trade.

To show the relationship between the production of commodities and their purchase by intermediate and final users, commodities are shown as if they move directly to users. Wholesale and retail trade margins on commodities are shown as purchases by users and are included in the trade rows of use [table 2.1](#) (rows 69A and 69B). Transportation costs are the freight charges paid to move the commodity from the producer to the intermediate user or the final user. All transportation costs are shown as a purchase by users, and are included in the transportation rows of the use table (rows 65A–E and 68B).

Wholesale trade has one primary product—distributive services for the sales of goods to retailers, intermediate users, and final users. Distributive services provided by wholesalers include merchandise handling, stocking, selling, and billing. Wholesale trade output consists of trade margins and nonmargin output; both exclude the cost of resales. They are included in the wholesale trade row of use [table 2.1](#) (row 69A).

The trade margin output occurs when an establishment buys and resells the good. It is measured in two parts. For merchant wholesalers and agents and brokers (on their own account), the trade margin is measured as wholesale sales less the cost of goods sold plus taxes collected by the distributor. For manufacturers' sales branches, it

is measured as expenses plus taxes collected by the sales branches.

Nonmargin output occurs when the wholesale trade service is purchased separately from the commodity, such as when a wholesaler acts as a broker between buyer and seller. It is measured as the sum of the expenses on goods sold by manufacturers' sales offices, commissions on goods sold by agents and brokers, and customs duties. Customs duties are considered to be taxes collected by wholesalers and are included in output.

Retail trade has one primary product—distributive services for the sale of goods. Its output consists of the retail trade margins, which are measured as retail sales less the cost of goods sold plus the taxes collected by retail trade establishments. All retail trade margins are included in the retail trade row of use [table 2.1](#) (row 69B).

Retail trade margins apply primarily to purchases by persons. However, some retail trade margin is applied to purchases by business and government; for example, retail trade margins are applied to some purchases of personal computers by business for gross private fixed investment; retail trade margins also are applied to some intermediate purchases by business, for example, office supplies and gasoline.

Imports of goods and services, a component of final uses, are measured by commodity at domestic port values. The domestic port value of an import commodity is considered to be equivalent to the producers' price of a domestically produced commodity. Adjustments to convert the commodity imports of goods to foreign port value are included in the imports of transportation and wholesale trade. For example, the imports of apparel (row 18, column 95) in [table 2.1](#) is $-\$38.5$ billion, the value of imports at the port of entry to the United States. This value consists of a foreign port value of $-\$31.8$ billion, vessel charges of $-\$0.7$ billion, air charges of $-\$0.9$ billion, and customs duty of $-\$5.1$ billion. The vessel and air charges are subtracted from the transportation rows (rows 65C and 65D, column 95) to be netted against balance of payments estimates of the total imports of transportation services. The duty is subtracted from the wholesale trade row (row 69A, column 95). The net result of including domestic port value in the commodity row and subtracting the transportation charges and duty in the transportation and wholesale rows is the foreign port value for the import.

Imports of services are valued at producers' prices. There are no margins or transport costs associated with services.

Imports also include a special category referred to as "noncomparable imports." Noncomparable imports consist of goods purchased by U.S. residents abroad and of service imports with no domestic counterparts, such as port expenditures by U.S. airlines in other countries. These imports are distributed directly to industries and final users and are shown as noncomparable imports in use [table 2.1](#) (row 80). All other imports are assumed either to be consumed within the U.S. boundaries or to have domestic equivalents.

In past benchmarks, noncomparable imports also included domestically consumed imported goods, such as bananas and coffee, that had no significant domestic counterparts. However, most imported goods now have domestic counterparts, so the 1992 benchmark I-O accounts do not include domestically consumed imports of goods in this category.

Exports of goods and services, a component of final uses, are measured by commodity at producers' prices—the same as other domestically produced commodities. Transportation and trade commodities, which are required to move exports from the producer to the port of exit, are included in the transportation and trade rows of use [table 2.1](#). For example, exports of computer and office equipment are $\$22.9$ billion (row 51, column 94), which represents the value of the computer and office equipment in producers' prices. The transportation costs, $\$0.2$ billion, and the trade margins, $\$3.7$ billion (row 51 and under the column exports of goods and services in [table C](#)), required to move the exports of computers and office equipment from producer to the

Table F.—Relationship of Exports and Imports in the Input-Output Accounts to the National Income and Product Accounts, 1992

	Total	Goods	Services
Exports, NIPA's	639,416	448,671	190,745
Less: U.S. merchandise returned	11,817	11,817	.....
Reexports	22,392	22,392	.....
Foreign-to-foreign transactions	582	.....	582
Statistical differences, I-O ¹	2,015	.....	2,015
Equals: Exports, I-O	602,610	414,462	188,148
Imports, NIPA's	668,959	544,855	124,104
Less: U.S. merchandise returned	11,817	11,817	.....
Reexports	22,392	22,392	.....
Foreign-to-foreign transactions	582	.....	582
Statistical differences, I-O ¹	2,531	.....	2,531
Equals: Imports, I-O	631,637	510,646	120,991
Net exports, NIPA's	-29,543	-96,184	66,641
Net exports, I-O	-29,027	-96,184	67,157

1. Consist of statistical revisions in the BPA's that have not yet been incorporated in the NIPA's.
NIPA National income and product accounts
I-O Input-output accounts

port of exit are included in the rows for transportation (rows 65A–E and 68B) and for trade (rows 69A and 69B) in [table 2.1](#).

Change in business inventories, another component of final uses, is measured by commodity at the book-value change reported by industries in the economic censuses. The inventory valuation adjustment, which is needed to remove inventory profits or losses from total gross domestic product in the I-O accounts, is shown as a single entry in [table 2.1](#) (row 85, column 93). In the 1992 I-O accounts, the inventory valuation adjustment is –\$8.0 billion.

Supplementary tables

Four supplementary tables are presented in this article—tables C, D, E, and F. Tables C, D, and E are bridges between the I-O accounts and the NIPA's. They present the I-O commodity composition of NIPA final demand in producers' and purchasers' prices. Specifically, [table C](#) presents the composition of all NIPA final-demand components; [table D](#), the composition of personal consumption expenditures categories shown in

NIPA table 2.4; and [table E](#), the composition of NIPA producers' durable equipment categories shown in NIPA table 5.8.²⁴

[Table F](#) presents a reconciliation of the I-O estimates of exports and imports with those in the NIPA's. Both exports and imports are adjusted so that total GDP is unchanged. The adjustments are necessary because the NIPA's—unlike the I-O accounts—include the U.S. merchandise that is returned to the United States from other countries in imports and because the NIPA exports include the foreign merchandise that is reexported from the United States to other countries.²⁵

Appendixes A and B and tables 1, 2.1, and 2.2 follow. 

24. NIPA tables 2.4 and 5.8 are published annually in the SURVEY, most recently in the [August 1997 issue](#).

25. Returned U.S. merchandise consists of domestically produced goods that were exported for processing, or assembly, or both and then returned to the United States. Reexports consists of the commodities that were previously imported into the United States and then exported from the United States in substantially the same condition as when they were imported. A timing adjustment is made for reexports that entered the country in an earlier year. The I-O accounts measure this value as general imports less imports for consumption, and the value is shown as a transaction between noncomparable imports and inventory change.

Appendix A.—Classification of Industries in the 1992 Benchmark Input-Output Accounts

[The titles in boldface represent the industries used for the summary version of the 1992 tables. An asterisk preceding a Standard Industrial Classification (sic) code indicates that the sic industry is included in more than one i-o industry. For a description of the systems used in the i-o accounts, see the section “Definitions and conventions for classification.”]

I-O industry number and title		Related 1987 SIC codes	I-O industry number and title		Related 1987 SIC codes
AGRICULTURE, FORESTRY, AND FISHERIES					
1	Livestock and livestock products:		11.0603	Access structures for solid mineral development	*108, *124, *148
1.0100	Dairy farm products	024, *019, *0259, *029	11.0800	Office, industrial, and commercial buildings	*15, *17
1.0200	Poultry and eggs	0251-3, *0259, *019, *0219, *029	11.0900	Other new construction	*15-17
1.0301	Meat animals	0211-4, *0219, *019, *0259, *029	12	Maintenance and repair construction:	
1.0302	Miscellaneous livestock	0271-3, *0279, *019, *0219, *0259, *029	12.0101	Maintenance and repair of farm and nonfarm residential structures.	*15, *17
2	Other agricultural products:		12.0214	Maintenance and repair of highways and streets	*16-17
2.0100	Cotton	0131, *019, *0219, *0259, *029	12.0215	Maintenance and repair of petroleum and natural gas wells.	*138
2.0201	Food grains	*011, *019, *0219, *0259, *029	12.0300	Other maintenance and repair	*15-17
2.0202	Feed grains	*011, *0139, *019, *0219, *0259, *029	MANUFACTURING		
2.0203	Grass seeds	*0139, *019, *0219, *0259, *029	13	Ordnance and accessories:	
2.0300	Tobacco	0132, *019, *0219, *0259, *029	13.0100	Guided missiles and space vehicles	3761
2.0401	Fruits	0171-2, 0174-5, *0179, *019, *0219, *0259, *029	13.0200	Ammunition, except for small arms, n.e.c.	3483
2.0402	Tree nuts	0173, *0179, *019, *0219, *0259, *029	13.0300	Tanks and tank components	3795
2.0501	Vegetables	0134, *0139, 016, *019, *0219, *0259, *029, *0119	13.0500	Small arms	3484
2.0502	Sugar crops	0133, *019, *0219, *0259, *029	13.0600	Small arms ammunition	3482
2.0503	Miscellaneous crops	*0119, *0139, *019, *0219, *0259, *029	13.0700	Ordnance and accessories, n.e.c.	3489
2.0600	Oil bearing crops	0116, *0119, *0139, *0219, *0259, *029	14	Food and kindred products:	
2.0701	Forest products	*018, *019, *0219, *0259, *029	14.0101	Meat packing plants	2011
2.0702	Greenhouse and nursery products	*018, *019,*0219, *0259, *029	14.0102	Sausages and other prepared meat products	2013
3	Forestry and fishery products:		14.0105	Poultry slaughtering and processing	2015
3.0001	Forestry products	081, 083, 097	14.0200	Creamery butter	2021
3.0002	Commercial fishing	091	14.0300	Natural, processed, and imitation cheese	2022
4	Agricultural, forestry, and fishery services:		14.0400	Dry, condensed, and evaporated dairy products	2023
4.0001	Agricultural, forestry, and fishery services	0254, *0279, 071-2, 075-6, 085, 092	14.0500	Ice cream and frozen desserts	2024
4.0002	Landscape and horticultural services	078	14.0600	Fluid milk	2026
MINING			14.0700	Canned and cured fish and seafoods	2091
5+6	Metallic ores mining:		14.0800	Canned specialties	2032
5.0001	Iron and ferroalloy ores, and miscellaneous metal ores, n.e.c.	101, 106, 1099	14.0900	Canned fruits, vegetables, preserves, jams, and jellies.	2033
6.0100	Copper ore	102	14.1000	Dehydrated fruits, vegetables, and soups	2034
6.0200	Nonferrous metal ores, except copper	103-4, 1094, *108	14.1100	Pickles, sauces, and salad dressings	2035
7	Coal mining:		14.1200	Prepared fresh or frozen fish and seafoods	2092
7.0000	Coal	122-3, *124	14.1301	Frozen fruits, fruit juices, and vegetables	2037
8	Crude petroleum and natural gas:		14.1302	Frozen specialties, n.e.c.	2038
8.0001	Crude petroleum and natural gas	131-2, *138	14.1401	Flour and other grain mill products	2041
9+10	Nonmetallic minerals mining:		14.1402	Cereal breakfast foods	2043
9.0001	Dimension, crushed and broken stone	141-2	14.1403	Prepared flour mixes and doughs	2045
9.0002	Sand and gravel	144	14.1501	Dog and cat food	2047
9.0003	Clay, ceramic, and refractory minerals	145	14.1502	Prepared feeds, n.e.c.	2048
9.0004	Nonmetallic mineral services and miscellaneous minerals.	*148, 149	14.1600	Rice milling	2044
10.0000	Chemical and fertilizer minerals	147	14.1700	Wet corn milling	2046
CONSTRUCTION			14.1801	Bread, cake, and related products	2051
11	New construction:		14.1802	Cookies and crackers	2052
11.0101	New residential 1-unit structures, nonfarm	*15, *17, *6552	14.1803	Frozen bakery products, except bread	2053
11.0102	New residential 2-4 unit structures, nonfarm	*15, *17	14.1900	Sugar	2061-3
11.0105	New residential additions and alterations, nonfarm ...	*15, *17	14.2002	Chocolate and cocoa products	2066
11.0108	New residential garden and high-rise apartments	*15, *17, *6552	14.2004	Salted and roasted nuts and seeds	2068
11.0400	Highways and streets	*16-17	14.2005	Candy and other confectionery products, including chewing gum.	2064, 2067
11.0501	New farm housing units and additions and alterations.	*15, *17	14.2101	Malt beverages	2082
11.0601	Petroleum and natural gas well drilling	*138	14.2102	Malt	2083
11.0602	Petroleum, natural gas, and solid mineral exploration	*138, *108, *124, *148	14.2103	Wines, brandy, and brandy spirits	2084
			14.2104	Distilled and blended liquors	2085
			14.2200	Bottled and canned soft drinks	2086
			14.2300	Flavoring extracts and flavoring syrups, n.e.c.	2087
			14.2400	Cottonseed oil mills	2074
			14.2500	Soybean oil mills	2075
			14.2600	Vegetable oil mills, n.e.c.	2076
			14.2700	Animal and marine fats and oils	2077
			14.2800	Roasted coffee	2095
			14.2900	Edible fats and oils, n.e.c.	2079
			14.3000	Manufactured ice	2097
			14.3100	Macaroni, spaghetti, vermicelli, and noodles	2098
			14.3201	Potato chips and similar snacks	2096
			14.3202	Food preparations, n.e.c.	2099
			15	Tobacco products:	
			15.0101	Cigarettes	211
			15.0102	Cigars	212
			15.0103	Chewing and smoking tobacco and snuff	213
			15.0200	Tobacco stemming and redrying	214
			16	Broad and narrow fabrics, yarn and thread mills:	
			16.0100	Broadwoven fabric mills and fabric finishing plants ...	221-3, 2261-2
			16.0200	Narrow fabric mills	224
			16.0300	Yarn mills and finishing of textiles, n.e.c.	2269, 2281-2
			16.0400	Thread mills	2284

Appendix A.—Classification of Industries in the 1992 Benchmark Input-Output Accounts—Continued

I-O industry number and title		Related 1987 SIC codes	I-O industry number and title		Related 1987 SIC codes
17	Miscellaneous textile goods and floor coverings:		27.0406	Chemicals and chemical preparations, n.e.c.	2899
17.0100	Carpets and rugs	227	27B	Agricultural fertilizers and chemicals:	
17.0600	Coated fabrics, not rubberized	2295	27.0201	Nitrogenous and phosphatic fertilizers	2873-4
17.0700	Tire cord and fabrics	2296	27.0202	Fertilizers, mixing only	2875
17.0900	Cordage and twine	2298	27.0300	Pesticides and agricultural chemicals, n.e.c.	2879
17.1001	Nonwoven fabrics	2297	28	Plastics and synthetic materials:	
17.1100	Textile goods, n.e.c.	2299	28.0100	Plastics materials and resins	2821
18	Apparel:		28.0200	Synthetic rubber	2822
18.0101	Women's hosiery, except socks	2251	28.0300	Cellulosic manmade fibers	2823
18.0102	Hosiery, n.e.c.	2252	28.0400	Manmade organic fibers, except cellulosic	2824
18.0201	Knit outerwear mills	2253	29A	Drugs:	
18.0202	Knit underwear and nightwear mills	2254	29.0100	Drugs	283
18.0203	Knitting mills, n.e.c.	2259	29B	Cleaning and toilet preparations:	
18.0300	Knit fabric mills	2257-8	29.0201	Soap and other detergents	2841
18.0400	Apparel made from purchased materials	231-8	29.0202	Polishes and sanitation goods	2842
19	Miscellaneous fabricated textile products:		29.0203	Surface active agents	2843
19.0100	Curtains and draperies	2391	29.0300	Toilet preparations	2844
19.0200	Housefurnishings, n.e.c.	2392	30	Paints and allied products:	
19.0301	Textile bags	2393	30.0000	Paints and allied products	285
19.0302	Canvas and related products	2394	31	Petroleum refining and related products:	
19.0303	Pleating and stitching	2395	31.0101	Petroleum refining	291
19.0304	Automotive and apparel trimmings	2396	31.0102	Lubricating oils and greases	2992
19.0305	Schiffli machine embroideries	2397	31.0103	Products of petroleum and coal, n.e.c.	2999
19.0306	Fabricated textile products, n.e.c.	2399	31.0200	Asphalt paving mixtures and blocks	2951
20+21	Lumber and wood products:		31.0300	Asphalt felts and coatings	2952
20.0100	Logging	241	32	Rubber and miscellaneous plastics products:	
20.0200	Sawmills and planing mills, general	2421	32.0100	Tires and inner tubes	301
20.0300	Hardwood dimension and flooring mills	2426	32.0200	Rubber and plastics footwear	302
20.0400	Special product sawmills, n.e.c.	2429	32.0300	Fabricated rubber products, n.e.c.	306
20.0501	Millwork	2431	32.0400	Miscellaneous plastics products, n.e.c.	308
20.0502	Wood kitchen cabinets	2434	32.0500	Rubber and plastics hose and belting	3052
20.0600	Veneer and plywood	2435-6	32.0600	Gaskets, packing, and sealing devices	3053
20.0701	Structural wood members, n.e.c.	2439	33+34	Footwear, leather, and leather products:	
20.0702	Prefabricated wood buildings and components	2452	33.0001	Leather tanning and finishing	311
20.0703	Mobile homes	2451	34.0100	Boot and shoe cut stock and findings	313
20.0800	Wood preserving	2491	34.0201	Shoes, except rubber	3143-4, 3149
20.0901	Wood pallets and skids	2448	34.0202	House slippers	3142
20.0903	Wood products, n.e.c.	2499	34.0301	Leather gloves and mittens	315
20.0904	Reconstituted wood products	2493	34.0302	Luggage	316
21.0000	Wood containers, n.e.c.	2441, 2449	34.0303	Women's handbags and purses	3171
22+23	Furniture and fixtures:		34.0304	Personal leather goods, n.e.c.	3172
22.0101	Wood household furniture, except upholstered	2511	34.0305	Leather goods, n.e.c.	319
22.0102	Household furniture, n.e.c.	2519	35	Glass and glass products:	
22.0103	Wood television and radio cabinets	2517	35.0100	Glass and glass products, except containers	321, 3229, 323
22.0200	Upholstered household furniture	2512	35.0200	Glass containers	3221
22.0300	Metal household furniture	2514	36	Stone and clay products:	
22.0400	Mattresses and bedsprings	2515	36.0100	Cement, hydraulic	324
23.0100	Wood office furniture	2521	36.0200	Brick and structural clay tile	3251
23.0200	Office furniture, except wood	2522	36.0300	Ceramic wall and floor tile	3253
23.0300	Public building and related furniture	253	36.0400	Clay refractories	3255
23.0400	Wood partitions and fixtures	2541	36.0500	Structural clay products, n.e.c.	3259
23.0500	Partitions and fixtures, except wood	2542	36.0600	Vitreous china plumbing fixtures	3261
23.0600	Drapery hardware and window blinds and shades ...	2591	36.0701	Vitreous china table and kitchenware	3262
23.0700	Furniture and fixtures, n.e.c.	2599	36.0702	Fine earthenware table and kitchenware	3263
24	Paper and allied products, except containers:		36.0800	Porcelain electrical supplies	3264
24.0100	Pulp mills	261	36.0900	Pottery products, n.e.c.	3269
24.0400	Envelopes	2677	36.1000	Concrete block and brick	3271
24.0500	Sanitary paper products	2676	36.1100	Concrete products, except block and brick	3272
24.0701	Paper coating and glazing	2671-2	36.1200	Ready-mixed concrete	3273
24.0702	Bags, except textile	2673-4	36.1300	Lime	3274
24.0703	Die-cut paper and paperboard and cardboard	2675	36.1400	Gypsum products	3275
24.0705	Stationery, tablets, and related products	2678	36.1500	Cut stone and stone products	328
24.0706	Converted paper products, n.e.c.	2679	36.1600	Abrasive products	3291
24.0800	Paper and paperboard mills	262-3	36.1700	Asbestos products	3292
25	Paperboard containers and boxes:		36.1900	Minerals, ground or treated	3295
25.0000	Paperboard containers and boxes	265	36.2000	Mineral wool	3296
26A	Newspapers and periodicals:		36.2100	Nonclay refractories	3297
26.0100	Newspapers	271	36.2200	Nonmetallic mineral products, n.e.c.	3299
26.0200	Periodicals	272	37	Primary iron and steel manufacturing:	
26B	Other printing and publishing:		37.0101	Blast furnaces and steel mills	3312
26.0301	Book publishing	2731	37.0102	Electrometallurgical products, except steel	3313
26.0302	Book printing	2732	37.0103	Steel wiredrawing and steel nails and spikes	3315
26.0400	Miscellaneous publishing	274	37.0104	Cold-rolled steel sheet, strip, and bars	3316
26.0501	Commercial printing	275	37.0105	Steel pipe and tubes	3317
26.0601	Manifold business forms	276	37.0200	Iron and steel foundries	332
26.0602	Blankbooks, looseleaf binders and devices	2782	37.0300	Iron and steel forgings	3462
26.0700	Greeting cards	277	37.0401	Metal heat treating	3398
26.0802	Bookbinding and related work	2789	37.0402	Primary metal products, n.e.c.	3399
26.0803	Typesetting	2791	27A	Industrial and other chemicals:	
26.0806	Platemaking and related services	2796	27.0100	Industrial inorganic and organic chemicals	281, 2865, 2869
			27.0401	Gum and wood chemicals	2861
			27.0402	Adhesives and sealants	2891
			27.0403	Explosives	2892
			27.0404	Printing ink	2893
			27.0405	Carbon black	2895

Appendix A.—Classification of Industries in the 1992 Benchmark Input-Output Accounts—Continued

I-O industry number and title		Related 1987 SIC codes	I-O industry number and title		Related 1987 SIC codes
38	Primary nonferrous metals manufacturing:		50.0100	Carburetors, pistons, rings, and valves	3592
38.0100	Primary smelting and refining of copper	3331	50.0200	Fluid power equipment	3593-4
38.0400	Primary aluminum	3334	50.0300	Scales and balances, except laboratory	3596
38.0501	Primary nonferrous metals, n.e.c.	3339	50.0400	Industrial and commercial machinery and equipment, n.e.c.	3599
38.0600	Secondary nonferrous metals	334			
38.0700	Rolling, drawing, and extruding of copper	3351	51	Computer and office equipment:	
38.0800	Aluminum rolling and drawing	3353-5	51.0102	Calculating and accounting machines	3578
38.0900	Nonferrous rolling and drawing, n.e.c.	3356	51.0103	Electronic computers	3571
38.1000	Nonferrous wire drawing and insulating	3357	51.0104	Computer peripheral equipment	3572, 3575, 3577
38.1100	Aluminum castings	3363, 3365	51.0400	Office machines, n.e.c.	3579
38.1200	Copper foundries	3366			
38.1300	Nonferrous castings, n.e.c.	3364, 3369	52	Service industry machinery:	
38.1400	Nonferrous forgings	3463	52.0100	Automatic vending machines	3581
39	Metal containers:		52.0200	Commercial laundry equipment	3582
39.0100	Metal cans	3411	52.0300	Refrigeration and heating equipment	3585
39.0200	Metal shipping barrels, drums, kegs, and pails	3412	52.0400	Measuring and dispensing pumps	3586
			52.0500	Service industry machinery, n.e.c.	3589
40	Heating, plumbing, and fabricated structural metal products:		53	Electrical industrial equipment and apparatus:	
40.0100	Enameled iron and metal sanitary ware	3431	53.0200	Power, distribution, and specialty transformers	3612
40.0200	Plumbing fixture fittings and trim	3432	53.0300	Switchgear and switchboard apparatus	3613
40.0300	Heating equipment, except electric and warm air furnaces.	3433	53.0400	Motors and generators	3621
40.0400	Fabricated structural metal	3441	53.0500	Relays and industrial controls	3625
40.0500	Metal doors, sash, frames, molding, and trim	3442	53.0700	Carbon and graphite products	3624
40.0600	Fabricated plate work (boiler shops)	3443	53.0800	Electrical industrial apparatus, n.e.c.	3629
40.0700	Sheet metal work	3444			
40.0800	Architectural and ornamental metal work	3446	54	Household appliances:	
40.0901	Prefabricated metal buildings and components	3448	54.0100	Household cooking equipment	3631
40.0902	Miscellaneous structural metal work	3449	54.0200	Household refrigerators and freezers	3632
41	Screw machine products and stampings:		54.0300	Household laundry equipment	3633
41.0100	Screw machine products, bolts, etc.	345	54.0400	Electric housewares and fans	3634
41.0201	Automotive stampings	3465	54.0500	Household vacuum cleaners	3635
41.0202	Crowns and closures	3466	54.0700	Household appliances, n.e.c.	3639
41.0203	Metal stampings, n.e.c.	3469			
42	Other fabricated metal products:		55	Electric lighting and wiring equipment:	
42.0100	Cutlery	3421	55.0100	Electric lamp bulbs and tubes	3641
42.0201	Hand and edge tools, except machine tools and handsaws.	3423	55.0200	Lighting fixtures and equipment	3645-8
42.0202	Saw blades and handsaws	3425	55.0300	Wiring devices	3643-4
42.0300	Hardware, n.e.c.	3429			
42.0401	Plating and polishing	3471	56	Audio, video, and communication equipment:	
42.0402	Coating, engraving, and allied services, n.e.c.	3479	56.0100	Household audio and video equipment	3651
42.0500	Miscellaneous fabricated wire products	3495-6	56.0200	Prerecorded records and tapes	3652
42.0700	Steel springs, except wire	3493	56.0300	Telephone and telegraph apparatus	3661
42.0800	Pipe, valves, and pipe fittings	3491-2, 3494, 3498	56.0500	Communication equipment	3663, 3669
42.1000	Metal foil and leaf	3497			
42.1100	Fabricated metal products, n.e.c.	3499	57	Electronic components and accessories:	
43	Engines and turbines:		57.0100	Electron tubes	3671
43.0100	Turbines and turbine generator sets	3511	57.0200	Semiconductors and related devices	3674
43.0200	Internal combustion engines, n.e.c.	3519	57.0300	Other electronic components	3672, 3675-9
44+45	Farm, construction, and mining machinery:		58	Miscellaneous electrical machinery and supplies:	
44.0001	Farm machinery and equipment	3523	58.0100	Storage batteries	3691
44.0002	Lawn and garden equipment	3524	58.0200	Primary batteries, dry and wet	3692
45.0100	Construction machinery and equipment	3531	58.0400	Electrical equipment for internal combustion engines	3694
45.0200	Mining machinery, except oil field	3532	58.0600	Magnetic and optical recording media	3695
45.0300	Oil and gas field machinery and equipment	3533	58.0700	Electrical machinery, equipment, and supplies, n.e.c.	3699
46	Materials handling machinery and equipment:		59A	Motor vehicles (passenger cars and trucks):	
46.0100	Elevators and moving stairways	3534	59.0301	Motor vehicles and passenger car bodies	3711
46.0200	Conveyors and conveying equipment	3535			
46.0300	Hoists, cranes, and monorails	3536	59B	Truck and bus bodies, trailers, and motor vehicles parts:	
46.0400	Industrial trucks and tractors	3537	59.0100	Truck and bus bodies	3713
47	Metalworking machinery and equipment:		59.0200	Truck trailers	3715
47.0100	Machine tools, metal cutting types	3541	59.0302	Motor vehicle parts and accessories	3714
47.0200	Machine tools, metal forming types	3542			
47.0300	Special dies and tools and machine tool accessories	3544-5	60	Aircraft and parts:	
47.0401	Power-driven handtools	3546	60.0100	Aircraft	3721
47.0402	Rolling mill machinery and equipment	3547	60.0200	Aircraft and missile engines and engine parts	3724, 3764
47.0404	Electric and gas welding and soldering equipment ...	3548	60.0400	Aircraft and missile equipment, n.e.c.	3728, 3769
47.0405	Industrial patterns	3543			
47.0500	Metalworking machinery, n.e.c.	3549	61	Other transportation equipment:	
48	Special industry machinery and equipment:		61.0100	Ship building and repairing	3731
48.0100	Food products machinery	3556	61.0200	Boat building and repairing	3732
48.0200	Textile machinery	3552	61.0300	Railroad equipment	374
48.0300	Woodworking machinery	3553	61.0500	Motorcycles, bicycles, and parts	375
48.0400	Paper industries machinery	3554	61.0601	Travel trailers and campers	3792
48.0500	Printing trades machinery and equipment	3555	61.0603	Motor homes	3716
48.0600	Special industry machinery, n.e.c.	3559	61.0700	Transportation equipment, n.e.c.	3799
49	General industrial machinery and equipment:		62	Scientific and controlling instruments:	
49.0100	Pumps and compressors	3561, 3563	62.0101	Search and navigation equipment	381
49.0200	Ball and roller bearings	3562	62.0102	Laboratory apparatus and furniture	3821
49.0300	Blowers and fans	3564	62.0200	Mechanical measuring devices	3823-4, 3829
49.0500	Mechanical power transmission equipment	3566, 3568	62.0300	Environmental controls	3822
49.0600	Industrial process furnaces and ovens	3567	62.0400	Surgical and medical instruments and apparatus	3841
49.0700	General industrial machinery and equipment, n.e.c.	3569	62.0500	Surgical appliances and supplies	3842
49.0800	Packaging machinery	3565	62.0600	Dental equipment and supplies	3843
50	Miscellaneous machinery, except electrical:		62.0700	Watches, clocks, watchcases, and parts	387
			62.0800	X-ray apparatus and tubes	3844
			62.0900	Electromedical and electrotherapeutic apparatus	3845
			62.1000	Laboratory and optical instruments	3826-7
			62.1100	Instruments to measure electricity	3825

Appendix A.—Classification of Industries in the 1992 Benchmark Input-Output Accounts—Continued

I-O industry number and title		Related 1987 SIC codes	I-O industry number and title		Related 1987 SIC codes
63	Ophthalmic and photographic equipment:		71.0202	Royalties	
63.0200	Ophthalmic goods	385	SERVICES		
63.0300	Photographic equipment and supplies	386	72A	Hotels and lodging places:	
64	Miscellaneous manufacturing:		72.0101	Hotels	701
64.0101	Jewelry, precious metal	3911	72.0102	Other lodging places	702-4
64.0102	Jewelers' materials and lapidary work	3915	72B	Personal and repair services (except auto):	
64.0104	Silverware and plated ware	3914	72.0201	Laundry, cleaning, garment services, and shoe repair	721, 725
64.0105	Costume jewelry	3961	72.0202	Funeral service and crematories	726
64.0200	Musical instruments	393	72.0203	Portrait photographic studios, and other miscellaneous personal services	722, 729
64.0301	Games, toys, and children's vehicles	3944	72.0204	Electrical repair shops	762
64.0302	Dolls and stuffed toys	3942	72.0205	Watch, clock, jewelry, and furniture repair	763-4
64.0400	Sporting and athletic goods, n.e.c.	3949	72.0300	Beauty and barber shops	723-4
64.0501	Pens, mechanical pencils, and parts	3951	73A	Computer and data processing services:	
64.0502	Lead pencils and art goods	3952	73.0104	Computer and data processing services	737
64.0503	Marking devices	3953	73B	Legal, engineering, accounting, and related services:	
64.0504	Carbon paper and inked ribbons	3955	73.0301	Legal services	81
64.0700	Fasteners, buttons, needles, and pins	3965	73.0302	Engineering, architectural, and surveying services ...	871
64.0800	Brooms and brushes	3991	73.0303	Accounting, auditing, and bookkeeping, and miscellaneous services, n.e.c.	872, 89
64.0900	Hard surface floor coverings, n.e.c.	3996	73C	Other business and professional services, except medical:	
64.1000	Burial caskets	3995	73.0101	Miscellaneous repair shops	769
64.1100	Signs and advertising specialties	3993	73.0102	Services to dwellings and other buildings	734
64.1200	Manufacturing industries, n.e.c.	3999	73.0103	Personnel supply services	736
TRANSPORTATION, COMMUNICATIONS, AND UTILITIES			73.0106	Detective and protective services	7381-2
65A	Railroads and related services; passenger ground transportation:		73.0107	Miscellaneous equipment rental and leasing	735
65.0100	Railroads and related services	40, 474	73.0108	Photofinishing labs and commercial photography	7335-6, 7384
65.0200	Local and suburban transit and interurban highway passenger transportation.	41	73.0109	Other business services	732, 7331, 7334, 7338, 7383, 7389
65B	Motor freight transportation and warehousing:		73.0111	Management and consulting services	874
65.0301	Trucking and courier services, except air	421, 423	73.0112	Testing and research labs	8731-2, 8734
65.0302	Warehousing and storage	422	73D	Advertising:	
65C	Water transportation:		73.0200	Advertising	731
65.0400	Water transportation	44	74	Eating and drinking places:	
65D	Air transportation:		74.0000	Eating and drinking places	58
65.0500	Air transportation	45	75	Automotive repair and services:	
65E	Pipelines, freight forwarders, and related services:		75.0001	Automotive rental and leasing, without drivers	751
65.0600	Pipelines, except natural gas	46	75.0002	Automotive repair shops and services	753, 7549
65.0701	Freight forwarders and other transportation services	473, 478	75.0003	Automobile parking and car washes	752, 7542
65.0702	Arrangement of passenger transportation	472	76	Amusements:	
66	Communications, except radio and TV:		76.0101	Motion picture services and theaters	781-3
66.0100	Telephone and telegraph communications, and communications services, n.e.c.	481-2, 489	76.0102	Video tape rental	784
66.0200	Cable and other pay television services	484	76.0201	Theatrical producers (except motion picture), bands, orchestras, and entertainers	792
67	Radio and TV broadcasting:		76.0202	Bowling centers	793
67.0000	Radio and TV broadcasting	483	76.0203	Professional sports clubs and promoters	7941
68A	Electric services (utilities):		76.0204	Racing, including track operation	7948
68.0100	Electric services (utilities)	491, 4931	76.0205	Physical fitness facilities and membership sports and recreation clubs	7991, 7997
68B	Gas production and distribution (utilities):		76.0206	Other amusement and recreation services	791, 7992-3, 7996, 7999
68.0201	Natural gas transportation	4922, *4923	77A	Health services:	
68.0202	Natural gas distribution	*4923, 4924, 4925, 4932, 4939	77.0100	Doctors and dentists	801-3, 8041
68C	Water and sanitary services:		77.0200	Hospitals	806
68.0301	Water supply and sewerage systems	494, 4952	77.0301	Nursing and personal care facilities	805
68.0302	Sanitary services, steam supply, and irrigation systems.	4953, 4959, 496-7	77.0303	Home health care services	808
WHOLESALE AND RETAIL TRADE			77.0304	Veterinary services	074
69A	Wholesale trade:		77.0305	Other medical and health services	8042, 8043, 8049, 807, 809
69.0100	Wholesale trade	50, 51	77B	Educational and social services, and membership organizations:	
69B	Retail trade:		77.0401	Elementary and secondary schools	821
69.0200	Retail trade, except eating and drinking	52-7, 59	77.0402	Colleges, universities, and professional schools	822
FINANCE, INSURANCE, AND REAL ESTATE			77.0403	Private libraries, vocational schools, and educational services, n.e.c.	823-4, 829
70A	Finance:		77.0501	Business associations and professional membership organizations.	861-2
70.0100	Banking	60	77.0502	Labor organizations, civic, social, and fraternal associations.	863-4
70.0200	Credit agencies other than banks	61, 67 (excl. 6732)	77.0503	Religious organizations	866
70.0300	Security and commodity brokers	62	77.0504	Other membership organizations	84, 865, 869, 8733, 6732
70B	Insurance:		77.0600	Job training and related services	833
70.0400	Insurance carriers	63	77.0700	Child day care services	835
70.0500	Insurance agents, brokers, and services	64	77.0800	Residential care	836
71A	Owner-occupied dwellings:		77.0900	Social services, n.e.c.	832, 839
71.0100	Owner-occupied dwellings				
71B	Real estate and royalties:				
71.0201	Real estate agents, managers, operators, and lessors.	65 (excl. 6552)			

Appendix A.—Classification of Industries in the 1992 Benchmark Input-Output Accounts—Continued

I-O industry number and title	Related 1987 SIC codes	I-O industry number and title	Related 1987 SIC codes
SPECIAL INDUSTRIES			
78 Federal Government enterprises:		81 Scrap, used and secondhand goods:	
78.0100 U.S. Postal Service	(1)	81.0001 Scrap	(3)
78.0200 Federal electric utilities	(1)	81.0002 Used and secondhand goods	(3)
78.0500 Other Federal Government enterprises	(1)	82 General government industry:	
		82.0000 General government industry	(4)
79 State and local government enterprises:		83 Rest of the world adjustment to final uses:	
79.0100 State and local government passenger transit	(1)	83.0000 Rest of the world adjustment to final uses	(5)
79.0200 State and local government electric utilities	(1)	84 Household industry:	
79.0300 Other State and local government enterprises	(1)	84.0000 Household industry	(6)
80 Noncomparable imports:		85 Inventory valuation adjustment:	
80.0000 Noncomparable imports	(2)	85.0000 Inventory valuation adjustment	(7)

1. The SIC assigns the same codes to the activities regardless of whether the establishment is owned by private firms and government agencies, but the SIC codes in the I-O accounts are only used for classifying private activities.
2. Noncomparable imports include imported services that are not commercially produced in the United States, and goods and services that are produced abroad and used abroad by U.S. residents—for example, U.S. Federal Government defense spending abroad.
3. Industry output is zero because there is no primary producing industry. Scrap is a secondary product of many industries, and used goods are sales and purchases typically between final uses. The sales are shown as negative values in the use table.

4. Industry output is defined as the compensation of employees and consumption of fixed capital of general government agencies. The compensation of employees engaged in construction work is included in the construction industry.
5. The commodity entries include adjustments among PCE and government expenditures to eliminate counting the expenditures by foreign residents in both exports and PCE or government expenditures.
6. Industry output is defined as the compensation of domestic household workers.
7. The inventory valuation adjustment is an adjustment needed to eliminate inventory profits or losses from the change in inventory component of gross output.

Appendix B.—Classification of Value Added and Final Uses in the 1992 Benchmark Input-Output Accounts

[The titles in boldface represent the value added and final use components used for the summary version of the 1992 tables.]

I-O number	I-O title	I-O number	I-O title
VALUE ADDED			
VA	Total value added	98.00I2	State and local government gross investment, public educational facilities beyond high school
88.0000	Compensation of employees	98.00I3	State and local government gross investment, other education and libraries
89.0000	Indirect business tax and nontax liability	99C	State and local government consumption expenditures, other:
90.0000	Other value added	99.10C1	State and local government consumption expenditures, hospitals and categorical health programs
FINAL USES		99.10C2	State and local government consumption expenditures, public welfare institutions and activities
91	Personal consumption expenditures:	99.10C4	State and local government consumption expenditures, sanitation
91.0000	Personal consumption expenditures	99.20C1	State and local government consumption expenditures, police
92	Gross private fixed investment:	99.20C2	State and local government consumption expenditures, fire fighting organizations and auxiliary services
92.0000	Gross private fixed investment	99.20C3	State and local government consumption expenditures, correctional institutions
93	Change in business inventories:	99.30C1	State and local government consumption expenditures, public highways (excluding non-capital expenditures of toll roads)
93.0000	Change in business inventories	99.30C8	State and local government consumption expenditures, natural and agricultural resources and recreation facilities
94	Exports of goods and services:	99.30C9	State and local government consumption expenditures, other general government activities n.e.c.
94.0000	Exports of goods and services	99C	State and local government gross investment, other:
95	Imports of goods and services:	99.10I1	State and local government gross investment, hospitals and categorical health programs
95.0000	Imports of goods and services	99.10I2	State and local government gross investment, public welfare institutions and activities
96C	Federal Government consumption expenditures, national defense:	99.10I3	State and local government gross investment, public sewerage systems
96.00C0	Federal Government consumption expenditures, national defense	99.10I4	State and local government gross investment, sanitation
96I	Federal Government gross investment, national defense:	99.20I1	State and local government gross investment, police
96.00I0	Federal Government gross investment, national defense	99.20I2	State and local government gross investment, fire fighting organizations and auxiliary services
97C	Federal Government consumption expenditures, nondefense:	99.20I3	State and local government gross investment, correctional institutions
97.00C0	Federal Government consumption expenditures, nondefense	99.30I1	State and local government gross investment, public highways
97I	Federal Government gross investment, nondefense:	99.30I2	State and local government gross investment, waterports and airports
97.00I0	Federal Government gross investment, nondefense	99.30I3	State and local government gross investment, government-operated transit systems
98C	State and local government consumption expenditures, education:	99.30I4	State and local government gross investment, other commerce activities, n.e.c.
98.00C1	State and local government consumption expenditures, elementary and secondary public school systems	99.30I5	State and local government gross investment, gas and electric utilities
98.00C2	State and local government consumption expenditures, public educational facilities beyond high school	99.30I6	State and local government gross investment, government-operated water supply facilities
98.00C3	State and local government consumption expenditures, other education and libraries	99.30I7	State and local government gross investment, redevelopment projects
98I	State and local government gross investment, education:	99.30I8	State and local government gross investment, natural and agricultural resources and recreation facilities
98.00I1	State and local government gross investment, elementary and secondary public school systems	99.30I9	State and local government gross investment, other general government activities n.e.c.

Table 1.—The Make of Commodities
[Millions of dollars]

Industry number	For the distribution of industries producing a commodity, read the column for that commodity	Livestock and livestock products	Other agri- cultural products	Forestry and fishery products	Agricul- tural, forestry, and fishery services	Metallic ores mining	Coal mining	Crude petroleum and natural gas	Non- metallic minerals mining	New con- struction	Maintenance and repair construction
	For the distribution of commodities produced by an industry, read the row for that industry										
	Commodity number	1	2	3	4	5+6	7	8	9+10	11	12
1	Livestock and livestock products	89,375		205	503						
2	Other agricultural products		104,546	2,047	1,051						
3	Forestry and fishery products			9,613							
4	Agricultural, forestry, and fishery services				28,251						
5+6	Metallic ores mining					10,726	8			11	
7	Coal mining						26,907			2	
8	Crude petroleum and natural gas							97,613			
9+10	Nonmetallic minerals mining					12	2		11,720		
11	New construction									456,949	
12	Maintenance and repair construction										222,381
13	Ordnance and accessories										
14	Food and kindred products										
15	Tobacco products										
16	Broad and narrow fabrics, yarn and thread mills										
17	Miscellaneous textile goods and floor coverings										
18	Apparel										
19	Miscellaneous fabricated textile products										
20+21	Lumber and wood products										
22+23	Furniture and fixtures										
24	Paper and allied products, except containers										
25	Paperboard containers and boxes										
26A	Newspapers and periodicals										
26B	Other printing and publishing										
27A	Industrial and other chemicals							10	3		
27B	Agricultural fertilizers and chemicals								1		
28	Plastics and synthetic materials										
29A	Drugs										
29B	Cleaning and toilet preparations										
30	Paints and allied products										
31	Petroleum refining and related products								127		
32	Rubber and miscellaneous plastics products										
33+34	Footwear, leather, and leather products										
35	Glass and glass products								419		
36	Stone and clay products					1					
37	Primary iron and steel manufacturing										
38	Primary nonferrous metals manufacturing										
39	Metal containers										
40	Heating, plumbing, and fabricated structural metal products										
41	Screw machine products and stampings										
42	Other fabricated metal products										
43	Engines and turbines										
44+45	Farm, construction, and mining machinery										
46	Materials handling machinery and equipment										
47	Metalworking machinery and equipment										
48	Special industry machinery and equipment										
49	General industrial machinery and equipment										
50	Miscellaneous machinery, except electrical										
51	Computer and office equipment										
52	Service industry machinery										
53	Electrical industrial equipment and apparatus										
54	Household appliances										
55	Electric lighting and wiring equipment										
56	Audio, video, and communication equipment										
57	Electronic components and accessories										
58	Miscellaneous electrical machinery and supplies										
59A	Motor vehicles (passenger cars and trucks)										
59B	Truck and bus bodies, trailers, and motor vehicles parts										
60	Aircraft and parts										
61	Other transportation equipment										
62	Scientific and controlling instruments										
63	Ophthalmic and photographic equipment										
64	Miscellaneous manufacturing										
65A	Railroads and related services; passenger ground transportation										
65B	Motor freight transportation and warehousing										
65C	Water transportation										
65D	Air transportation										
65E	Pipelines, freight forwarders, and related services										
66	Communications, except radio and TV										
67	Radio and TV broadcasting										
68A	Electric services (utilities)										
68B	Gas production and distribution (utilities)										
68C	Water and sanitary services										
69A	Wholesale trade										
69B	Retail trade										
70A	Finance										
70B	Insurance										
71A	Owner-occupied dwellings										
71B	Real estate and royalties										
72A	Hotels and lodging places										
72B	Personal and repair services (except auto)										
73A	Computer and data processing services										
73B	Legal, engineering, accounting, and related services										
73C	Other business and professional services, except medical										
73D	Advertising										
74	Eating and drinking places										
75	Automotive repair and services										
76	Amusements										
77A	Health services										
77B	Educational and social services, and membership organizations										
78	Federal Government enterprises										
79	State and local government enterprises										
82	General government industry										
84	Household industry										
85	Inventory valuation adjustment										
T	Total commodity output	89,375	104,546	11,865	29,805	10,739	26,917	97,623	12,283	456,949	222,381

Ordnance and accessories	Food and kindred products	Tobacco products	Broad and narrow fabrics, yarn and thread mills	Miscellaneous textile goods and floor coverings	Apparel	Miscellaneous fabricated textile products	Lumber and wood products	Furniture and fixtures	Paper and allied products, except containers	Paperboard containers and boxes	Newspapers and periodicals	Other printing and publishing	Industrial and other chemicals	Agricultural fertilizers and chemicals	Industry number
13	14	15	16	17	18	19	20+21	22+23	24	25	26A	26B	27A	27B	
	887						135								1
															2
															3
															4
													2		5+6
													102		7
													1,535		8
															9+10
															11
															12
21,180									1						13
	407,209					7			18	8			38		14
		40,124							4				800	2	15
			37,131	254	226	1,675			1				13		16
			37	16,995	6	118			4						17
			265	34	68,354	314	1	1	96	3					18
			80	48	13	18,650	4	40	2						19
	1					3	86,328	161	24			18			20+21
5						20	127	42,228	11			3			22+23
		23		239		36	112	17	96,241	108		341	213		24
	7					9			81	31,260		48			25
											18,942	2,376			26A
											953	78,033			27A
1	100			31		19	1		570	34			9		26B
	328			3			4		19				96,890	886	27A
	62						9	2	1			2	1,218	16,041	27B
				219									4,718	235	28
	38												578	173	29A
	49			1		3			23				944	358	29B
									6				81	5	30
									28				5,318	100	31
5	34		5	52		48	172	42	454	141		21	156	26	32
	9		8		11	23	1	4		1		15			33+34
	1			69		7	3	15		33					35
						2	14	5	133	2			104	2	36
			2										27	5	37
								1					187		38
										29		11			39
1						1	71	67							40
4						2	3	8					34		41
				5		8	29	49	229	4		2			42
5	4						4	6		106		110	3	1	43
	4						1	33				27			44+45
								1							46
	15			2				2				1	51		47

Table 1.—The Make of Commodities
[Millions of dollars]

Industry number	For the distribution of industries producing a commodity, read the column for that commodity	Plastics and synthetic materials	Drugs	Cleaning and toilet prepara- tions	Paints and allied products	Petroleum refining and related products	Rubber and miscel- laneous plastics products	Footwear, leather, and leather products	Glass and glass products	Stone and clay products	Primary iron and steel manufacturing
	For the distribution of commodities produced by an industry, read the row for that industry	28	29A	29B	30	31	32	33+34	35	36	37
	Commodity number	28	29A	29B	30	31	32	33+34	35	36	37
1	Livestock and livestock products										
2	Other agricultural products										
3	Forestry and fishery products										
4	Agricultural, forestry, and fishery services										
5+6	Metallic ores mining									2	
7	Coal mining										
8	Crude petroleum and natural gas					7,654					
9+10	Nonmetallic minerals mining					69				344	
11	New construction										
12	Maintenance and repair construction										
13	Ordnance and accessories			8							12
14	Food and kindred products		179	81			27	143			
15	Tobacco products										
16	Broad and narrow fabrics, yarn and thread mills	2,338					2	2			
17	Miscellaneous textile goods and floor coverings	116	2			25	99	29			
18	Apparel	3		3			37	42			
19	Miscellaneous fabricated textile products			15			57	12			
20+21	Lumber and wood products						79		61	7	
22+23	Furniture and fixtures				1		67	1	97	8	17
24	Paper and allied products, except containers		1	333	7		923			17	
25	Paperboard containers and boxes			3			303				
26A	Newspapers and periodicals										
26B	Other printing and publishing						14	41		3	
27A	Industrial and other chemicals	5,575	469	1,468	240	2,136	294		7	117	26
27B	Agricultural fertilizers and chemicals	334	93	44		10	1	1		1	
28	Plastics and synthetic materials	41,780	137	86	15	17	788			3	2
29A	Drugs	10	60,829	761			2				
29B	Cleaning and toilet preparations	150	340	37,522	38	73	17			14	
30	Paints and allied products	114		9	13,893	7	3			22	
31	Petroleum refining and related products	125	3	100	6	139,755	13		16	80	4
32	Rubber and miscellaneous plastics products	372	2	31	34	1	107,428	17	59	6	29
33+34	Footwear, leather, and leather products						33	9,226			
35	Glass and glass products						64		17,551	6	
36	Stone and clay products	8	37	27	19	65	125		49	41,399	13
37	Primary iron and steel manufacturing	1					3			9	72,986
38	Primary nonferrous metals manufacturing						39		60	8	342
39	Metal containers						13				
40	Heating, plumbing, and fabricated structural metal products	1					412		23	34	43
41	Screw machine products and stampings				1		59	2	6	8	6
42	Other fabricated metal products			1	3		253	12	4	34	90
43	Engines and turbines										12
44+45	Farm, construction, and mining machinery					4	3				71
46	Materials handling machinery and equipment						13				2
47	Metalworking machinery and equipment			1			57			47	54
48	Special industry machinery and equipment						34		1	4	13
49	General industrial machinery and equipment						20			6	50
50	Miscellaneous machinery, except electrical						22		1		26
51	Computer and office equipment						13			9	6
52	Service industry machinery			26			18				32
53	Electrical industrial equipment and apparatus	5				15	6			9	1
54	Household appliances			1			3		13		
55	Electric lighting and wiring equipment	10			55		33	2	20	1	75
56	Audio, video, and communication equipment						1			9	
57	Electronic components and accessories						43		1		5
58	Miscellaneous electrical machinery and supplies			3			24			10	
59A	Motor vehicles (passenger cars and trucks)										
59B	Truck and bus bodies, trailers, and motor vehicles parts	1					8	1		29	2
60	Aircraft and parts		1				35				2
61	Other transportation equipment						19				
62	Scientific and controlling instruments		226	15			91	1	12	3	1
63	Ophthalmic and photographic equipment				67		82			1	
64	Miscellaneous manufacturing	1	2	19			133	6		4	
65A	Railroads and related services; passenger ground transportation										
65B	Motor freight transportation and warehousing										
65C	Water transportation										
65D	Air transportation										
65E	Pipelines, freight forwarders, and related services										
66	Communications, except radio and TV										
67	Radio and TV broadcasting										
68A	Electric services (utilities)										
68B	Gas production and distribution (utilities)										
68C	Water and sanitary services										
69A	Wholesale trade										
69B	Retail trade										
70A	Finance										
70B	Insurance										
71A	Owner-occupied dwellings										
71B	Real estate and royalties										
72A	Hotels and lodging places										
72B	Personal and repair services (except auto)										
73A	Computer and data processing services										
73B	Legal, engineering, accounting, and related services										
73C	Other business and professional services, except medical										
73D	Advertising										
74	Eating and drinking places										
75	Automotive repair and services										
76	Amusements										
77A	Health services										
77B	Educational and social services, and membership organizations										
78	Federal Government enterprises										
79	State and local government enterprises									37	
82	General government industry										
84	Household industry										
85	Inventory valuation adjustment										
T	Total commodity output	50,944	62,321	40,557	14,379	149,831	111,813	9,538	17,981	42,291	73,922

Primary non-ferrous metals manufacturing	Metal containers	Heating, plumbing, and fabricated structural metal products	Screw machine products and stampings	Other fabricated metal products	Engines and turbines	Farm, construction, and mining machinery	Materials handling machinery and equipment	Metalworking machinery and equipment	Special industry machinery and equipment	General industrial machinery and equipment	Miscellaneous machinery, except electrical	Computer and office equipment	Service industry machinery	Industry number
38	39	40	41	42	43	44+45	46	47	48	49	50	51	52	
														1
														2
														3
														4
														5+6
														7
														8
														9+10
														11
														12
13		9	19	4		1	11	17	4	6	6		22	13
	3								1				4	14
				7										15
1				5										16
				9					12					17
		1	2	26								2		18
		79	3	28								1		19
8	7	37	11	107		12	23	2		1	2		22	20+21
			3	259			1			1		11	3	22+23
	29		1	2				7		1		17		24
														25
	155		1	67					14	4		11		26A
1,222		2		14		36		2	11				1	26B
		1		1				4					1	27A
										9				27B
										4				28
				1					1					29A
									1	1			8	29B
									7	1				30
						5							1	31
105	10	118	120	242	3	26	3	565	44	99	18		6	32
			1	7					1					33+34
			35	5				3					1	35
34		10	29	33		8		81	3		1		4	36
452		121	18	2,182		21		189	3	21	18	4		37
62,324			38	214		1		197	4		9		1	38
1	12,986		1	21										39
80	28	47,327	176	439	7	36	37	70	47	99	133	2	55	40
19	14	40	32,765	158	1	23	3	657	4	51	92	2	17	41
76	4	268	185	51,070	1	46	24	162	58	153	271	2	26	42
		93	5	15	15,965	12		2	2	94	63		7	43
		68	336	190	107	30,055	136	126	21	133	95		12	44+45
		36	2	21		65	7,773	28	28	73	13		1	46
8		23	87	128		243	31	24,194	146	85	225	1	5	47
3		18	3	37	1	54	88	137	19,302	211	58	3	85	48
1		94	16	168	221	108	63	90	183	28,058	137		169	49
7	2	197	95	348	31	8	5	239	20	55	23,383		3	50
		1	9	13	1	1		5	1	1	14			51
1		192	33	64	2	4	9	4	64	122	13	58,040	24,998	52
1		7	23	12	26	15	4	26	2	144	2	29	17	53
1		30	52	1		4		23	1	12			182	54
21		2	2	74			4	34	6	8	137			55
		21	12	4		1	5	2	1			34		56
61		1	31	97				4				298		57
306		3	6	12					113	3	4	2,816		58
					2		6			9	7	17	3	59
			375			20		20						59A
51		49	33	42	531	26	40	54		62	59	5	138	59B
7		14		111	784	1		19	5	27	95	3	3	60
		110	5	2	39	57	10	8	4	1	37			61
7		38	21	196	153	7	20	58	93	109	53	70	4	62
		1	4						9	11		688		63
3		7	7	82		20		6	2	19	1	25	3	64
														65A
														65B
														65C
														65D
														65E
														66
														67
														68A
														68B
														68C
														69A
														69B
														70A
														70B
														71A
														71B
														72A
														72B
														73A
														73B
														73C
														74
														75
														76
														77A
														77B
														78
														79
														82
														84
														85
64,813	13,238	49,050	34,564	56,518	17,895	30,946	8,290	27,046	20,218	29,678	24,946	62,088	25,801	85

Table 1.—The Make of Commodities

[Millions of dollars]

Industry number	For the distribution of industries producing a commodity, read the column for that commodity	Electrical industrial equipment and apparatus	Household appliances	Electric lighting and wiring equipment	Audio, video, and commu- nication equipment	Electronic compo- nents and acces- sories	Miscel- laneous electrical machinery and supplies	Motor vehicles (passenger cars and trucks)	Truck and bus bodies, trailers, and motor vehicles parts	Aircraft and parts	Other trans- portation equipment
	For the distribution of commodities produced by an industry, read the row for that industry										
	Commodity number	53	54	55	56	57	58	59A	59B	60	61
1	Livestock and livestock products										
2	Other agricultural products										
3	Forestry and fishery products										
4	Agricultural, forestry, and fishery services										
5+6	Metallic ores mining										
7	Coal mining										
8	Crude petroleum and natural gas										
9+10	Nonmetallic minerals mining										
11	New construction										
12	Maintenance and repair construction										
13	Ordinance and accessories	1			116	16	47		8	2,986	
14	Food and kindred products										
15	Tobacco products										
16	Broad and narrow fabrics, yarn and thread mills										
17	Miscellaneous textile goods and floor coverings										
18	Apparel										
19	Miscellaneous fabricated textile products		5								
20+21	Lumber and wood products			2		8					
22+23	Furniture and fixtures	2	17	31	12	22			5		4
24	Paper and allied products, except containers	1			12		371				
25	Paperboard containers and boxes										
26A	Newspapers and periodicals										
26B	Other printing and publishing					1					
27A	Industrial and other chemicals			2		8	3				
27B	Agricultural fertilizers and chemicals						1				
28	Plastics and synthetic materials										
29A	Drugs										
29B	Cleaning and toilet preparations		4				4				
30	Paints and allied products	3								29	
31	Petroleum refining and related products										
32	Rubber and miscellaneous plastics products	45	116	150	1	84	8		26	6	5
33+34	Footwear, leather, and leather products										
35	Glass and glass products	1		5					25	1	
36	Stone and clay products	7		9		28	17		41	5	
37	Primary iron and steel manufacturing	9		173		5			175		
38	Primary nonferrous metals manufacturing			13	143	106	12			3	
39	Metal containers										
40	Heating, plumbing, and fabricated structural metal products	4	97	7		12	6		39	5	21
41	Screw machine products and stampings	1	60	13	4	16	2		295		9
42	Other fabricated metal products	93	3	47		28	3		105	71	22
43	Engines and turbines	431					3		170	148	5
44+45	Farm, construction, and mining machinery	27	3	58			1		137	11	275
46	Materials handling machinery and equipment	26		1					8	1	12
47	Metalworking machinery and equipment	55	79	15		12	7		9	3	4
48	Special industry machinery and equipment	11	25	7		30	4		10		
49	General industrial machinery and equipment	104	4	16		21	5		93	5	2
50	Miscellaneous machinery, except electrical	144				7	213	7	172	37	4
51	Computer and office equipment	19		4	83	3,683	267				
52	Service industry machinery	9	83	3	7	13	4		633		7
53	Electrical industrial equipment and apparatus	26,759	7	185	23	162	100		64	16	1
54	Household appliances	174	16,033	16	9		6		20		
55	Electric lighting and wiring equipment	203	3	17,802	64	170	12	8	161	2	
56	Audio, video, and communication equipment	38	268	66	48,977	933	158		50	4	
57	Electronic components and accessories	118	6	95	135	67,069	105				
58	Miscellaneous electrical machinery and supplies	38	11	118	261	100	18,906				
59A	Motor vehicles (passenger cars and trucks)							147,890	2,363		20
59B	Truck and bus bodies, trailers, and motor vehicles parts	47		9	126	238	458	1,765	76,069	34	39
60	Aircraft and parts	2		2	59	2	11		100	98,325	48
61	Other transportation equipment	68					19	8	62	2	29,393
62	Scientific and controlling instruments	133	8	197	911	521	291		182	431	1
63	Ophthalmic and photographic equipment			2	20		53				
64	Miscellaneous manufacturing	1	1	7	18	3	6	6			32
65A	Railroads and related services; passenger ground transportation										
65B	Motor freight transportation and warehousing										
65C	Water transportation										
65D	Air transportation										
65E	Pipelines, freight forwarders, and related services										
66	Communications, except radio and TV										
67	Radio and TV broadcasting										
68A	Electric services (utilities)										
68B	Gas production and distribution (utilities)										
68C	Water and sanitary services										
69A	Wholesale trade										
69B	Retail trade										
70A	Finance										
70B	Insurance										
71A	Owner-occupied dwellings										
71B	Real estate and royalties										
72A	Hotels and lodging places										
72B	Personal and repair services (except auto)										
73A	Computer and data processing services										
73B	Legal, engineering, accounting, and related services										
73C	Other business and professional services, except medical										
73D	Advertising										
74	Eating and drinking places										
75	Automotive repair and services										
76	Amusements										
77A	Health services										
77B	Educational and social services, and membership organizations										
78	Federal Government enterprises										
79	State and local government enterprises										
82	General government industry										
84	Household industry										
85	Inventory valuation adjustment										
T	Total commodity output	28,574	16,833	19,055	50,981	73,298	21,103	149,684	81,258	102,154	29,907

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Scientific and controlling instruments	Ophthalmic and photo- graphic equipment	Miscellaneous manufacturing	Railroads and related services; passenger ground transportation	Motor freight transportation and warehousing	Water transportation	Air transportation	Pipelines, freight forwarders, and related services	Communica- tions, except radio and TV	Radio and TV broadcasting	Electric services (utilities)	Gas production and distribution (utilities)	Water and sanitary services	Wholesale trade	Industry number
62	63	64	65A	65B	65C	65D	65E	66	67	68A	68B	68C	69A	
				11										1
														2
														3
														4
														5+6
														7
														8
														9+10
														11
														12
1,235														13
														14
10														15
26		20												16
49		8												17
3		53												18
3	2	12												19
14		41												20+21
151	10	100												22+23
		38												24
														25
14														26A
10	4	301												26B
17	7	16												27A
														27B
	7													28
240	17	7												29A
20		46												29B
		18												30
		9												31
107	25	230												32
13		15												33+34
37		5												35
22	1	30												36
62		3									43			37
7		5												38
														39
22		6												40
11		27												41
254	1	54												42
2														43
13		2												44+45
														46
30		1												47
28	11	3												48
55		16												49
25		1												50
36	88	85												51
18		4												52
139		2												53
9	6	2												54
98	7	8												55
1,225		12												56
214	6	5												57
786	301	17												58
														59A
20		1												59B
1,606		8												60
1		69												61
100,484	103	42												62
738	22,143	1												63
61	6	38,127												64
			55,576											65A
				174										65B
				155,590								11,363		65C
					32,440									65D
			542	1,320	194	94,141	28,928							65E
						2,632		205,941						66
									2,674					67
										170,428				68A
											92,953	468		68B
												18,644		68C
													568,970	69A
														69B
														70A
														70B
														71A
														71B
														72A
														72B
														73A
														73B
							38							73C
														73D
														74
				15										75
														76
														77A
														77B
														78
			5,940		1,713	2,046				6,504	3,159	19,586		79
										18,763				82
														84
														85
107,915	22,745	39,450	62,058	157,110	34,347	98,819	28,966	205,941	2,674	195,695	96,155	50,265	568,970	85
														T

Table 1.—The Make of Commodities
[Millions of dollars]

Industry number	For the distribution of industries producing a commodity, read the column for that commodity For the distribution of commodities produced by an industry, read the row for that industry Commodity number	Retail trade	Finance	Insurance	Owner- occupied dwellings	Real estate and royalties	Hotels and lodging places	Personal and repair services (except auto)	Computer and data processing services	Legal, engineering, accounting, and related services
		69B	70A	70B	71A	71B	72A	72B	73A	73B
1	Livestock and livestock products									
2	Other agricultural products									
3	Forestry and fishery products									
4	Agricultural, forestry, and fishery services									
5+6	Metallic ores mining									
7	Coal mining									
8	Crude petroleum and natural gas									
9+10	Nonmetallic minerals mining									
11	New construction									
12	Maintenance and repair construction									
13	Ordnance and accessories									
14	Food and kindred products									
15	Tobacco products									
16	Broad and narrow fabrics, yarn and thread mills									
17	Miscellaneous textile goods and floor coverings									
18	Apparel									
19	Miscellaneous fabricated textile products									
20+21	Lumber and wood products									
22+23	Furniture and fixtures									
24	Paper and allied products, except containers									
25	Paperboard containers and boxes									
26A	Newspapers and periodicals									
26B	Other printing and publishing									
27A	Industrial and other chemicals									
27B	Agricultural fertilizers and chemicals									
28	Plastics and synthetic materials									
29A	Drugs									
29B	Cleaning and toilet preparations									
30	Paints and allied products									
31	Petroleum refining and related products									
32	Rubber and miscellaneous plastics products									
33+34	Footwear, leather, and leather products									
35	Glass and glass products									
36	Stone and clay products									
37	Primary iron and steel manufacturing									
38	Primary nonferrous metals manufacturing									
39	Metal containers									
40	Heating, plumbing, and fabricated structural metal products									
41	Screw machine products and stampings									
42	Other fabricated metal products									
43	Engines and turbines									
44+45	Farm, construction, and mining machinery									
46	Materials handling machinery and equipment									
47	Metalworking machinery and equipment									
48	Special industry machinery and equipment									
49	General industrial machinery and equipment									
50	Miscellaneous machinery, except electrical									
51	Computer and office equipment								1,505	
52	Service industry machinery									
53	Electrical industrial equipment and apparatus									
54	Household appliances									
55	Electric lighting and wiring equipment									
56	Audio, video, and communication equipment									
57	Electronic components and accessories									
58	Miscellaneous electrical machinery and supplies									
59A	Motor vehicles (passenger cars and trucks)									
59B	Truck and bus bodies, trailers, and motor vehicles parts									
60	Aircraft and parts									
61	Other transportation equipment									
62	Scientific and controlling instruments									
63	Ophthalmic and photographic equipment									
64	Miscellaneous manufacturing									
65A	Railroads and related services; passenger ground transportation									
65B	Motor freight transportation and warehousing									
65C	Water transportation									
65D	Air transportation									
65E	Pipelines, freight forwarders, and related services									
66	Communications, except radio and TV									
67	Radio and TV broadcasting									
68A	Electric services (utilities)									
68B	Gas production and distribution (utilities)									
68C	Water and sanitary services									
69A	Wholesale trade									
69B	Retail trade	522,519								
70A	Finance		390,710							
70B	Insurance			448						
71A	Owner-occupied dwellings			231,097						
71B	Real estate and royalties				457,250					
72A	Hotels and lodging places			229		549,884				
72B	Personal and repair services (except auto)					666	58,936			
73A	Computer and data processing services							91,564		
73B	Legal, engineering, accounting, and related services								115,730	
73C	Other business and professional services, except medical								387	251,701
73D	Advertising							449	416	896
74	Eating and drinking places									
75	Automotive repair and services									
76	Amusements									
77A	Health services									
77B	Educational and social services, and membership organizations									
78	Federal Government enterprises	2,092		-177		422		3		
79	State and local government enterprises	1,567	64	57		8,766				
82	General government industry									
84	Household industry									
85	Inventory valuation adjustment									
T	Total commodity output	526,178	390,774	231,654	457,250	559,738	58,936	92,016	118,038	252,597

by Industries, 1992—Continued
at producers' prices]

Other business and professional services, except medical	Advertising	Eating and drinking places	Automotive repair and services	Amusements	Health services	Educational and social services, and membership organizations	Federal Government enterprises	State and local government enterprises	Scrap, used and second-hand goods	General government industry	Household industry	Inventory valuation adjustment	Total industry output	Industry number
73C	73D	74	75	76	77A	77B	78	79	81	82	84	85		
				534									91,504	1
				504									108,294	2
													9,613	3
													28,251	4
													10,749	5+6
													26,917	7
													105,369	8
													13,682	9+10
													456,949	11
													222,381	12
													25,760	13
													408,482	14
									5				40,146	15
													41,646	16
													17,580	17
													69,132	18
													19,055	19
									36				86,865	20+21
									12				42,977	22+23
									79				99,613	24
									132				31,938	25
									19				56,711	26A
									72				110,564	26B
									57				109,880	27A
									2				17,831	27B
									29				48,040	28
									18				62,674	29A
									11				39,628	29B
													14,198	30
									19				145,709	31
									64				111,361	32
													9,368	33+34
									12				17,815	35
									28				42,904	36
									31				76,565	37
									57				63,773	38
													13,065	39
									50				49,491	40
									317				34,703	41
									17				53,974	42
									17				17,044	43
									21				32,031	44+45
									4				8,152	46
									8				25,611	47
									5				20,231	48
									78				29,814	49
									17				25,071	50
									3				63,924	51
									36				26,455	52
													27,809	53
													16,636	54
									3				19,111	55
				49									52,155	56
													70,940	57
													21,223	58
									24				150,738	59A
									231				80,266	59B
													101,709	60
									11				30,000	61
									9				105,489	62
													24,131	63
									2				41,315	64
									4				55,754	65A
													166,953	65B
													32,440	65C
													94,141	65D
													33,616	65E
													208,094	66
													29,359	67
													170,896	68A
													93,157	68B
													19,182	68C
													568,970	69A
													522,519	69B
													416,272	70A
													231,097	70B
													457,250	71A
													550,113	71B
													59,602	72A
													91,772	72B
													115,730	73A
													256,361	73B
													340,445	73C
													29,865	73D
									521				280,708	74
													138,381	75
													121,368	76
						564,607							564,986	77A
													228,332	77B
													60,972	78
													92,806	79
													764,389	82
													10,087	84
													10,087	85
													10,822,647	T
332,385	138,530	282,017	164,408	122,937	564,607	227,631	50,200	30,162	2,175	764,389	10,087	-7,982	10,822,647	

Table 2.1.—The Use of Commodities

[Millions of dollars]

Commodity number	For the distribution of output of a commodity, read the row for that commodity	Livestock and livestock products	Other agri- cultural products	Forestry and fishery products	Agricul- tural, forestry, and fishery services	Metallic ores mining	Coal mining	Crude petroleum and natural gas	Non- metallic minerals mining	New con- struction	Maintenance and repair construction
	For the composition of inputs to an industry, read the column for that industry										
	Industry number	1	2	3	4	5+6	7	8	9+10	11	12
1	Livestock and livestock products	12,133	5	66	672	.....	.....	.....	.....	.....	.....
2	Other agricultural products	22,177	3,044	.....	3,160	.....	.....	1	.....	1,217	661
3	Forestry and fishery products .....	.....	.....	262	38	.....	.....	.....	.....	.....	.....
4	Agricultural, forestry, and fishery services	4,050	7,787	2,023	152	16	17	3	6	1,335	814
5+6	Metallic ores mining .....	.....	.....	.....	.....	2,083	.....	.....	.....	.....	.....
7	Coal mining .....	.....	.....	.....	.....	15	3,042	.....	58	.....	.....
8	Crude petroleum and natural gas .....	.....	.....	.....	.....	.....	.....	20,296	.....	.....	.....
9+10	Nonmetallic minerals mining	7	289	.....	2	7	10	.....	474	3,291	2,154
11	New construction .....	.....	.....	.....	.....	.....	.....	.....	.....	170	.....
12	Maintenance and repair construction	997	1,273	335	290	206	70	2,293	101	270	154
13	Ordnance and accessories .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
14	Food and kindred products	15,973	.....	311	94	.....	.....	.....	.....	.....	.....
15	Tobacco products .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
16	Broad and narrow fabrics, yarn and thread mills .....	.....	268	.....	.....	.....	84	.....	.....	.....	.....
17	Miscellaneous textile goods and floor coverings	139	213	56	80	.....	.....	.....	.....	1,189	660
18	Apparel .....	.....	.....	.....	.....	.....	3	1	.....	.....	.....
19	Miscellaneous fabricated textile products .....	.....	164	9	84	.....	.....	.....	.....	294	181
20+21	Lumber and wood products	44	460	.....	.....	36	67	1	.....	23,353	14,386
22+23	Furniture and fixtures .....	.....	.....	.....	.....	.....	.....	.....	.....	1,346	5
24	Paper and allied products, except containers	211	251	17	7	4	4	1	9	1,808	608
25	Paperboard containers and boxes	6	728	23	136	4	6	2	2	266	143
26A	Newspapers and periodicals	7	8	.....	5	.....	1	2	18	.....	.....
26B	Other printing and publishing	6	8	9	6	.....	1	1	1	133	77
27A	Industrial and other chemicals	121	62	3	5	515	243	1,174	257	1,629	697
27B	Agricultural fertilizers and chemicals	215	8,358	28	2,177	1	2	.....	.....	1	.....
28	Plastics and synthetic materials .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
29A	Drugs	288	.....	.....	1	.....	.....	.....	.....	.....	.....
29B	Cleaning and toilet preparations	65	.....	14	.....	.....	.....	5	.....	147	111
30	Paints and allied products .....	.....	.....	.....	7	.....	.....	1	.....	4,106	2,073
31	Petroleum refining and related products	796	2,937	343	175	261	633	632	493	5,445	4,505
32	Rubber and miscellaneous plastics products	396	605	7	32	90	243	15	147	7,039	3,899
33+34	Footwear, leather, and leather products	35	.....	.....	.....	.....	.....	1	.....	.....	.....
35	Glass and glass products	8	.....	.....	11	.....	.....	2	7	1,055	156
36	Stone and clay products .....	.....	136	5	5	58	104	189	.....	23,431	6,224
37	Primary iron and steel manufacturing	11	17	.....	.....	287	82	1,191	160	3,699	1,519
38	Primary nonferrous metals manufacturing .....	.....	.....	.....	2	.....	13	.....	.....	3,484	1,677
39	Metal containers .....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....
40	Heating, plumbing, and fabricated structural metal products	20	25	.....	.....	81	71	38	51	23,542	9,353
41	Screw machine products and stampings	34	.....	.....	.....	13	134	.....	11	284	111
42	Other fabricated metal products	139	259	8	67	2	63	448	9	9,166	3,653
43	Engines and turbines .....	.....	.....	12	.....	27	93	22	42	.....	.....
44+45	Farm, construction, and mining machinery	253	684	40	22	316	884	288	508	907	408
46	Materials handling machinery and equipment .....	.....	.....	.....	.....	66	157	52	187	1,327	22
47	Metalworking machinery and equipment	31	45	.....	1	7	5	19	3	319	104
48	Special industry machinery and equipment .....	.....	.....	.....	1	.....	.....	.....	.....	2	4
49	General industrial machinery and equipment	31	72	1	2	35	223	103	94	3,293	636
50	Miscellaneous machinery, except electrical	50	138	1	13	23	114	169	14	239	6
51	Computer and office equipment .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
52	Service industry machinery .....	.....	.....	2	2	.....	4	4	2	5,019	2,361
53	Electrical industrial equipment and apparatus	9	22	3	.....	15	53	71	44	2,696	1,028
54	Household appliances .....	.....	.....	.....	.....	.....	.....	.....	.....	945	552
55	Electric lighting and wiring equipment	36	46	2	19	.....	16	9	1	8,267	3,651
56	Audio, video, and communication equipment .....	.....	.....	.....	.....	.....	.....	.....	.....	1,896	626
57	Electronic components and accessories .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
58	Miscellaneous electrical machinery and supplies	186	496	5	29	3	7	9	12	977	438
59A	Motor vehicles (passenger cars and trucks) .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
59B	Truck and bus bodies, trailers, and motor vehicles parts	58	140	27	43	15	34	40	48	552	324
60	Aircraft and parts .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
61	Other transportation equipment .....	.....	.....	.....	2	.....	.....	.....	.....	64	35
62	Scientific and controlling instruments .....	.....	.....	14	9	2	1	1	.....	1,503	586
63	Ophthalmic and photographic equipment .....	.....	.....	.....	8	.....	3	11	.....	48	23
64	Miscellaneous manufacturing	29	47	.....	4	2	4	4	5	1,543	732
65A	Railroads and related services; passenger ground transportation	1,168	287	13	60	57	769	160	59	831	486
65B	Motor freight transportation and warehousing	1,933	1,142	26	248	143	311	252	227	7,043	3,521
65C	Water transportation	115	190	155	13	16	143	264	10	463	285
65D	Air transportation	15	82	32	329	34	95	246	38	640	326
65E	Pipelines, freight forwarders, and related services	90	21	1	2	1	5	9	2	10	6
66	Communications, except radio and TV	229	250	13	93	26	36	196	40	1,770	1,014
67	Radio and TV broadcasting .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
68A	Electric services (utilities)	1,710	861	7	50	795	586	1,626	683	710	389
68B	Gas production and distribution (utilities) .....	.....	314	2	2	77	35	2,821	274	113	.....
68C	Water and sanitary services	107	544	15	.....	.....	3	83	8	509	298
69A	Wholesale trade	4,931	5,971	203	974	302	846	935	475	18,148	8,719
69B	Retail trade .....	.....	.....	20	8	15	37	126	45	18,381	10,049
70A	Finance	466	509	79	174	80	183	589	129	2,934	1,329
70B	Insurance	311	371	48	77	26	44	113	46	2,710	842
71A	Owner-occupied dwellings .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
71B	Real estate and royalties	3,973	9,375	12	215	94	565	17,182	158	2,478	1,297
72A	Hotels and lodging places	25	36	28	43	32	81	264	38	405	222
72B	Personal and repair services (except auto)	26	72	6	72	5	8	12	4	242	146
73A	Computer and data processing services	53	60	13	16	23	23	115	52	340	202
73B	Legal, engineering, accounting, and related services	60	75	222	412	155	408	1,882	131	31,394	8,059
73C	Other business and professional services, except medical	430	1,122	159	307	134	201	384	120	13,343	7,381
73D	Advertising	11	23	6	101	5	14	128	43	343	186
74	Eating and drinking places	9	16	35	58	42	96	312	55	503	271
75	Automotive repair and services	185	492	55	371	49	45	113	30	3,002	1,815
76	Amusements .....	.....	.....	2	219	1	8	30	1	56	33
77A	Health services	1,414	.....	.....	.....	.....	.....	.....	.....	.....	.....
77B	Educational and social services, and membership organizations	54	63	25	18	18	53	80	8	27	11
78	Federal Government enterprises	9	10	6	28	9	1	.....	8	468	274
79	State and local government enterprises	16	36	1	16	4	3	2	.....	14	8
80	Noncomparable imports .....	.....	45	.....	.....	84	23	1,033	20	.....	.....
81	Scrap, used and secondhand goods .....	.....	.....	.....	2	.....	.....	.....	.....	5	3
82	General government industry .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
83	Rest of the world adjustment to final uses .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
84	Household industry .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
85	Inventory valuation adjustment .....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
I	Total intermediate inputs	75,901	50,554	4,807	11,269	6,419	11,113	56,056	5,468	254,179	112,529
VA	Value added	15,603	57,740	4,806	16,982	4,330	15,804	49,313	8,214	202,770	109,852
T	Total industry output	91,504	108,294	9,613	28,251	10,749	26,917	105,369	13,682	456,949	222,381

by Industries, 1992

at producers' prices]

Ordnance and accessories	Food and kindred products	Tobacco products	Broad and narrow fabrics, yarn and thread mills	Miscellaneous textile goods and floor coverings	Apparel	Miscellaneous fabricated textile products	Lumber and wood products	Furniture and fixtures	Paper and allied products, except containers	Paperboard containers and boxes	Newspapers and periodicals	Other printing and publishing	Industrial and other chemicals	Agricultural fertilizers and chemicals	Commodity number
13	14	15	16	17	18	19	20+21	22+23	24	25	26A	26B	27A	27B	
.....	71,965	.....	389	52	19	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
.....	31,764	.....	2,692	46	56	.....	.....	.....	11	.....	.....	.....	587	.....	2
.....	2,988	3,095	.....	.....	195	.....	7,058	5	41	8	26	5	29	10	3
25	117	4	10	5	11	5	25	22	.....	.....	.....	29	46	7	4
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1,055	17	5+6
2	202	26	27	14	20	3	4	12	366	25	.....	.....	206	29	7
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3,459	624	8
.....	.....	.....	.....	.....	.....	.....	.....	.....	324	.....	.....	.....	1,009	918	9+10
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11
147	1,703	86	220	163	279	64	286	185	1,205	159	331	565	1,092	148	12
362	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	13
.....	63,572	.....	.....	11	.....	.....	.....	53	639	.....	.....	.....	363	287	14
.....	.....	3,348	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	15
14	20	4	8,781	2,974	14,833	5,101	.....	1,927	109	.....	.....	72	.....	.....	16
.....	.....	.....	61	550	23	1,160	169	1,129	664	.....	.....	41	1	.....	17
13	.....	.....	34	.....	13,656	438	7	3	5	.....	4	.....	.....	.....	18
.....	73	2	.....	2	2,210	607	2	20	2	.....	.....	.....	.....	.....	19
52	73	1	.....	.....	1	35	26,156	3,314	6,508	37	11	7	37	.....	20+21
.....	.....	.....	.....	.....	.....	.....	74	421	.....	.....	.....	.....	.....	.....	22+23
7	5,150	109	30	28	75	13	49	100	14,665	13,453	5,089	16,110	290	47	24
50	7,879	452	44	47	101	40	232	679	1,306	77	15	493	532	81	25
3	4	.....	.....	1	.....	.....	13	2	7	21	1,149	164	8	.....	26A
.....	1,188	258	2	1	30	12	15	12	193	7	3,927	12,341	19	106	26B
207	2,116	4	944	388	5	109	441	69	4,693	661	411	1,978	25,203	1,946	27A
21	1	.....	.....	.....	.....	.....	211	.....	24	.....	.....	.....	926	2,046	27B
80	162	283	6,874	4,264	840	395	323	129	2,432	151	.....	7	860	.....	28
.....	1,277	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	29A
.....	484	68	43	75	283	.....	8	32	421	.....	.....	.....	116	71	29B
8	.....	.....	.....	.....	.....	.....	144	394	9	106	1	3	530	.....	30
66	1,283	55	147	73	147	45	624	217	640	239	111	217	1,891	183	31
358	7,378	225	195	170	346	340	811	1,908	3,316	146	19	1,364	1,245	149	32
.....	.....	.....	.....	.....	258	430	9	45	.....	.....	.....	2	.....	.....	33+34
.....	4,014	.....	298	10	.....	.....	271	169	.....	.....	.....	.....	107	16	35
36	12	3	1	.....	.....	.....	346	121	83	.....	.....	2	120	30	36
370	.....	.....	.....	2	.....	.....	38	1,617	29	233	1	28	319	1	37
461	.....	.....	.....	.....	.....	.....	17	439	90	71	.....	47	9	.....	38
.....	9,422	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	647	85	39
.....	.....	.....	.....	.....	.....	.....	490	.....	.....	.....	.....	.....	.....	.....	40
170	599	.....	.....	.....	.....	.....	352	477	5	18	.....	.....	3	.....	41
242	1,229	46	.....	.....	5	.....	952	2,004	332	234	23	25	715	42	42
22	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	.....	43
.....	.....	.....	.....	.....	.....	.....	29	.....	.....	.....	.....	.....	.....	.....	44+45
37	44	10	15	4	2	7	76	36	54	24	4	30	42	1	46
81	125	.....	62	207	191	36	35	16	292	148	25	413	640	.....	47
273	226	1	.....	.....	5	.....	152	73	35	.....	.....	.....	5	10	48
161	172	5	70	20	21	19	142	85	212	61	19	94	388	9	49
.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	22	49	.....	.....	50
.....	45	6	.....	.....	1	.....	70	2	8	.....	2	1	47	.....	51
166	100	15	2	.....	.....	.....	6	12	22	.....	.....	1	79	1	52
.....	.....	.....	.....	.....	.....	.....	173	.....	.....	.....	.....	.....	.....	.....	53
20	94	17	2	.....	.....	.....	132	7	23	.....	3	3	6	2	54
281	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	4	.....	.....	55
1,316	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	56
7	18	2	.....	1	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	57
.....	.....	.....	.....	.....	.....	.....	16	1	6	1	21	14	2	.....	58
1	198	2	6	3	10	.....	238	16	22	8	39	33	12	4	59A
1,976	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	59B
.....	.....	.....	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	60
805	8	3	.....	.....	.....	.....	1	10	21	6	19	114	98	8	61
6	9	1	3	1	2	1	12	6	10	2	147	792	21	1	62
.....	26	5	.....	1	712	23	36	11	4	1	21	70	3	.....	63
30	2,580	37	165	102	70	22	633	141	1,136	378	182	497	1,185	279	64
178	6,159	182	427	293	580	239	2,075	580	2,808	1,211	508	1,804	2,539	986	65A
.....	868	9	15	23	5	6	137	15	190	12	4	24	390	86	65B
115	1,388	110	129	58	287	89	281	153	357	145	197	436	396	54	65C
1	12	2	.....	.....	2	.....	4	.....	8	2	4	3	186	1	65D
80	601	61	59	48	136	44	160	136	225	91	348	432	235	38	65E
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	66
221	3,381	84	1,143	252	689	159	1,060	384	2,584	324	293	890	2,847	291	67
44	1,656	15	203	96	230	67	183	101	1,189	77	56	236	2,188	375	68A
23	527	5	48	35	32	20	119	38	547	30	17	75	875	102	68B
655	22,495	716	1,926	697	2,947	940	5,197	2,977	5,006	1,967	1,344	3,999	5,778	919	68C
3	759	115	27	3	12	4	77	74	138	8	41	36	63	11	69A
172	2,676	261	230	117	453	134	591	341	675	206	403	751	792	186	69B
35	677	56	56	25	93	27	151	77	161	46	96	170	188	30	70A
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	70B
247	1,621	136	140	81	763	287	582	454	365	163	1,750	2,533	806	90	71A
78	1,063	121	108	53	208	58	260	129	299	95	172	337	334	55	71B
23	465	37	247	72	105	11	132	33	291	56	45	129	266	49	72A
224	676	66	103	57	96	27	174	82	382	78	366	399	390	78	72B
128	1,172	369	110	66	171	73	338	326	227	63	752	427	2,714	234	73A
398	4,067	292	498	194	3,071	179	1,010	689	1,429	396	2,071	1,838	1,748	384	73B
125	10,554	3,166	107	173	764	92	335	467	620	52	1,536	1,170	757	249	73C
103	1,306	145	151	68	288	83	350	185	373	117	205	418	413	65	74
53	1,532	118	181	79	157	37	430	114	678	148	214	535	587	112	75
5	199	44	4	3	26	2	21	7	30	7	35	41	34	4	76
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	77A
18	250	33	23	10	45	114	255	63	96	20	49	145	88	21	77B
4	169	54	19	22	19	26	53	53	56	17	431	274	66	4	78
14	358	26	24	27	156	52	143	76	164	18	68	153	82	29	79
6	498	17	28	10	25	2	9	33	101	14	64	183	877	28	80
.....	.....	.....	.....	37	.....	.....	.....	7	800	.....	.....	.....	.....	5	81
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	82
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	83
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	84
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	85
10,829	283,455	14,415	27,127	11,811	45,814	11,677	55,007	23,515	59,763	21,638	22,694	53,053	69,592	11,644	I
14,931	125,027	25,731	14,519	5,769	23,318	7,378	31,858	19,462	39,850	10,300	34,017	57,511	40,288	6,187	VA
25,760	408,482	40,146	41,646	17,580	69,132	19,055	86,865	42,977	99,613	31,938	56,711	110,564	109,880	17,831	T

Table 2.1.—The Use of Commodities

[Millions of dollars]

Commodity number	For the distribution of output of a commodity, read the row for that commodity For the composition of inputs to an industry, read the column for that industry	Plastics and synthetic materials	Drugs	Cleaning and toilet preparations	Paints and allied products	Petroleum refining and related products	Rubber and miscellaneous plastics products	Footwear, leather, and leather products	Glass and glass products	Stone and clay products	Primary iron and steel manufacturing
	Industry number	28	29A	29B	30	31	32	33+34	35	36	37
1	Livestock and livestock products			41							
2	Other agricultural products		137			1					
3	Forestry and fishery products	1	22		7	1	831			1	
4	Agricultural, forestry, and fishery services	16	30	13	4	20	40	1	9	23	30
5+6	Metallic ores mining				20	21			17	19	2,194
7	Coal mining	58	18	9	2	7	16	2	98	283	1,349
8	Crude petroleum and natural gas	237				74,499					
9+10	Nonmetallic minerals mining		1	13	4	407	13		192	2,889	231
11	New construction										
12	Maintenance and repair construction	499	455	215	52	1,097	757	65	141	325	576
13	Ordinance and accessories										
14	Food and kindred products	52	216	401	129	139	11	843		16	
15	Tobacco products										
16	Broad and narrow fabrics, yarn and thread mills	9					1,029	248		150	
17	Miscellaneous textile goods and floor coverings	1	8	12			1,192	201	1		
18	Apparel	2					9	4			
19	Miscellaneous fabricated textile products		2	4			12		1	5	
20+21	Lumber and wood products		1	2			171		173	165	152
22+23	Furniture and fixtures					3					
24	Paper and allied products, except containers	760	153	117	2	113	957	54	41	477	25
25	Paperboard containers and boxes	212	664	1,503	1	133	1,391	31	752	159	16
26A	Newspapers and periodicals	2	6	1		3	8			2	2
26B	Other printing and publishing	1	387	160	11	7	38	1	2	6	97
27A	Industrial and other chemicals	16,336	1,529	3,859	2,895	2,093	5,376	328	699	1,090	904
27B	Agricultural fertilizers and chemicals	226									
28	Plastics and synthetic materials	1,591				1,777		11		242	
29A	Drugs		8,365								
29B	Cleaning and toilet preparations	279	49	2,147	2	419	78	40	35	93	2
30	Paints and allied products	16		11	253		75		12	56	19
31	Petroleum refining and related products	199	83	423	142	12,427	322	50	108	471	436
32	Rubber and miscellaneous plastics products	2,023	1,312	2,431	1	476	6,354	296	386	349	137
33+34	Footwear, leather, and leather products					1		2,132			
35	Glass and glass products	7	256	214	3	330	611		1,608	103	
36	Stone and clay products	8	11	3	185	278	155	6	245	4,374	1,183
37	Primary iron and steel manufacturing	1		1	5	20	519		19	356	14,171
38	Primary nonferrous metals manufacturing				1		70			61	1,465
39	Metal containers	4	81	431	500	137					2
40	Heating, plumbing, and fabricated structural metal products						33			19	5
41	Screw machine products and stampings		65	49	2		270	3	14	52	275
42	Other fabricated metal products	16	40	94	2	116	668	61		285	1,228
43	Engines and turbines						20				23
44+45	Farm, construction, and mining machinery										
46	Materials handling machinery and equipment						2				17
47	Metalworking machinery and equipment	24	3	7	1	19	204	2	89	97	649
48	Special industry machinery and equipment	20					331	1	20		26
49	General industrial machinery and equipment	26	41	4		1	25			37	1,273
50	Miscellaneous machinery, except electrical	75	24	34	3	91	640	14	78	107	410
51	Computer and office equipment										
52	Service industry machinery	1	2	7		1	6		2	4	1
53	Electrical industrial equipment and apparatus	5	7	21		1	37		36	8	548
54	Household appliances										
55	Electric lighting and wiring equipment	4	12	20		8	43		7	18	
56	Audio, video, and communication equipment										
57	Electronic components and accessories						63				
58	Miscellaneous electrical machinery and supplies					2	19			12	4
59A	Motor vehicles (passenger cars and trucks)										
59B	Truck and bus bodies, trailers, and motor vehicles parts	1	15	2	2	49	14		6	42	13
60	Aircraft and parts										
61	Other transportation equipment										
62	Scientific and controlling instruments	4	14	5	4	25	11		8	15	87
63	Ophthalmic and photographic equipment	4	42	5	1	6	16		2	4	8
64	Miscellaneous manufacturing	1	30	6	1	5	16	14	1	32	3
65A	Railroads and related services; passenger ground transportation	460	126	205	258	351	768	10	258	601	1,225
65B	Motor freight transportation and warehousing	945	254	453	360	699	3,349	103	263	2,859	1,886
65C	Water transportation	159	12	54	45	725	183		59	413	427
65D	Air transportation	169	211	134	40	97	413	37	54	127	298
65E	Pipelines, freight forwarders, and related services	13	2	2	2	4,501	3			2	2
66	Communications, except radio and TV	214	210	123	35	176	308	28	50	146	149
67	Radio and TV broadcasting										
68A	Electric services (utilities)	1,072	440	207	83	1,564	2,246	72	524	1,177	2,804
68B	Gas production and distribution (utilities)	602	153	83	24	11,668	421	31	298	825	1,175
68C	Water and sanitary services	259	120	68	50	422	160	90	40	97	535
69A	Wholesale trade	2,374	3,970	2,032	619	5,769	4,776	409	797	1,550	5,515
69B	Retail trade	28	46	127	2	26	135	3	49	49	21
70A	Finance	363	483	303	108	1,131	832	58	118	297	542
70B	Insurance	68	85	55	19	145	166	17	29	92	127
71A	Owner-occupied dwellings										
71B	Real estate and royalties	187	500	344	58	1,230	1,035	62	113	332	289
72A	Hotels and lodging places	145	196	124	44	139	337	26	54	128	229
72B	Personal and repair services (except auto)	134	60	35	9	253	205	9	47	125	317
73A	Computer and data processing services	207	156	83	22	323	367	51	72	166	452
73B	Legal, engineering, accounting, and related services	1,348	1,730	604	158	978	696	27	64	227	318
73C	Other business and professional services, except medical	645	1,530	626	115	1,206	1,525	89	256	716	1,428
73D	Advertising	280	3,715	2,604	187	532	649	211	76	256	331
74	Eating and drinking places	181	235	150	52	273	442	42	74	171	296
75	Automotive repair and services	293	161	104	33	482	504	24	107	281	638
76	Amusements	18	57	38	7	23	32	1	3	8	18
77A	Health services										
77B	Educational and social services, and membership organizations	92	229	64	9	105	408	4	11	30	51
78	Federal Government enterprises	13	22	41	7	44	67	17	14	26	56
79	State and local government enterprises	47	22	12	1	35	71	25	8	100	57
80	Noncomparable imports	215	1,911	379	68	330	234	2	30	97	86
81	Scrap, used and secondhand goods								100		2,320
82	General government industry										
83	Rest of the world adjustment to final uses										
84	Household industry										
85	Inventory valuation adjustment										
I	Total intermediate inputs	33,252	30,717	21,319	8,427	126,183	62,561	5,856	8,370	23,345	49,153
VA	Value added	14,788	31,957	18,309	5,771	19,526	48,800	3,512	9,445	19,559	27,412
T	Total industry output	48,040	62,674	39,628	14,198	145,709	111,361	9,368	17,815	42,904	76,565

by Industries, 1992—Continued
 at producers' prices]

Primary non-ferrous metals manufacturing	Metal containers	Heating, plumbing, and fabricated structural metal products	Screw machine products and stampings	Other fabricated metal products	Engines and turbines	Farm, construction, and mining machinery	Materials handling machinery and equipment	Metalworking machinery and equipment	Special industry machinery and equipment	General industrial machinery and equipment	Miscellaneous machinery, except electrical	Computer and office equipment	Service industry machinery	Commodity number
38	39	40	41	42	43	44+45	46	47	48	49	50	51	52	
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3
28	2	14	6	19	8	13	2	9	7	15	12	16	7	4
2,399	.....	13	.....	2	.....	12	.....	6	.....	.....	.....	3	.....	5+6
18	.....	2	2	3	1	3	.....	1	1	2	2	1	2	7
.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	8
15	.....	.....	.....	1	.....	.....	.....	21	1	.....	.....	.....	.....	9+10
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	11
366	63	178	334	317	112	164	33	159	118	149	164	380	174	12
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	13
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	14
9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	15
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	16
.....	.....	.....	.....	3	7	.....	.....	3	2	1	33	.....	1	17
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	18
194	.....	29	15	72	.....	50	10	82	54	27	4	.....	63	19
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	20+21
28	5	32	57	234	7	10	4	16	137	128	8	35	124	22+23
56	38	216	196	330	14	33	1	94	22	122	67	182	98	24
1	.....	3	1	2	.....	1	.....	1	1	.....	3	8	1	25
3	79	5	4	2	2	5	1	5	2	3	4	8	1	26A
253	104	535	173	629	1	22	3	166	26	2	5	.....	60	26B
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	27A
929	.....	37	85	289	.....	.....	.....	.....	.....	15	12	24	107	27B
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	28
.....	.....	3	5	15	.....	.....	.....	.....	.....	.....	.....	5	10	29A
7	285	251	81	363	20	121	11	52	.....	15	8	36	85	29B
304	33	150	69	190	26	69	31	73	51	91	61	45	45	30
615	18	537	142	1,504	202	1,352	162	237	400	772	120	812	704	31
.....	.....	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	32
239	.....	281	28	54	.....	14	.....	.....	14	.....	.....	.....	4	33+34
140	8	70	60	123	75	40	8	228	41	78	89	8	119	35
666	2,249	8,750	7,476	6,173	2,224	3,396	917	1,933	1,267	2,286	1,844	72	1,435	36
21,355	4,166	4,235	1,673	3,087	434	270	196	573	847	781	1,524	496	1,553	37
.....	1,177	.....	3	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	38
.....	.....	1,818	59	235	1,425	130	311	292	348	89	427	222	40	39
32	5	627	525	1,154	643	458	250	218	287	245	482	840	41	40
427	196	1,677	800	3,498	577	530	191	296	572	376	402	197	459	42
.....	.....	.....	.....	39	1,236	1,700	64	.....	67	143	24	.....	29	43
.....	.....	.....	.....	.....	.....	1,215	9	153	3	7	.....	.....	.....	44+45
11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	46
600	16	330	716	232	106	160	37	1,184	185	150	383	28	125	47
61	.....	.....	2	.....	.....	.....	.....	.....	672	.....	.....	.....	.....	48
405	.....	112	65	18	283	882	463	265	508	2,306	319	23	467	49
236	43	236	647	434	760	886	245	777	803	966	1,585	85	577	50
.....	.....	.....	.....	.....	.....	.....	.....	.....	18	.....	11,698	.....	.....	51
.....	.....	10	.....	1	.....	.....	.....	.....	3	1	.....	2,003	.....	52
183	1	78	21	313	691	214	247	580	774	1,112	69	1,124	1,422	53
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	54
51	.....	2	6	4	.....	10	.....	6	.....	.....	5	64	181	55
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	56
.....	.....	1	.....	5	199	192	33	12	35	53	78	13,515	4	57
.....	.....	.....	.....	.....	.....	.....	.....	45	19	20	18	15	.....	58
10	1	11	25	5	75	129	1	6	2	4	3	4	4	59A
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	59B
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	60
5	.....	108	.....	3	.....	.....	.....	11	.....	12	.....	3	432	61
4	1	8	5	6	2	3	1	5	3	4	8	13	4	62
2	.....	9	2	2	.....	7	4	3	1	.....	.....	1	12	63
562	58	186	156	154	20	66	12	37	29	32	47	48	45	64
1,870	229	801	524	720	298	508	91	276	203	257	230	116	250	65A
92	8	17	21	37	.....	17	.....	6	3	2	6	5	5	65B
238	38	163	122	174	103	149	35	92	101	126	107	357	103	65C
1	.....	1	.....	.....	1	1	.....	.....	.....	.....	1	3	1	65D
127	21	151	70	180	38	92	29	112	94	129	72	245	78	65E
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	66
2,303	166	419	441	782	135	260	49	285	163	321	304	348	199	67
435	57	168	124	290	35	85	19	69	42	85	75	44	56	68A
181	17	43	396	110	20	26	3	18	13	31	19	34	72	68B
5,438	866	3,002	1,996	2,945	960	2,345	700	1,212	1,413	1,815	947	6,631	1,786	68C
8	5	32	19	35	4	9	1	4	4	8	5	16	18	69A
412	84	331	261	383	112	228	52	175	132	202	176	484	194	69B
91	17	66	51	77	22	49	13	38	25	42	34	82	38	70A
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	70B
299	61	507	274	474	97	154	61	276	221	207	337	819	136	71A
191	40	150	100	167	52	100	22	79	62	90	76	200	79	71B
135	25	44	75	87	22	38	6	25	16	40	26	32	26	72A
191	31	124	125	201	81	121	15	76	45	99	55	560	107	72B
166	46	218	286	366	48	225	68	203	193	216	189	603	158	73A
789	130	1,044	611	860	200	381	93	345	240	417	472	727	264	73B
114	33	276	263	490	39	261	58	189	166	289	223	613	221	73C
249	50	209	141	231	69	135	32	123	92	132	101	231	107	73D
306	60	147	151	238	50	100	18	88	49	105	75	131	74	74
13	5	8	11	9	5	11	1	3	5	5	8	25	9	75
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	76
52	15	50	99	52	13	21	4	22	11	20	18	68	37	77A
30	1	36	25	40	10	34	7	19	25	24	10	16	5	77B
86	6	61	19	62	19	32	23	56	27	59	65	45	23	78
123	2	76	33	51	21	90	24	22	69	89	43	3,568	23	79
3,276	.....	85	29	.....	.....	.....	.....	.....	.....	10	2	.....	.....	80
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	81
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	82
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	83
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	84
47,441	10,563	28,785	19,619	28,435	10,414	18,933	4,634	11,230	10,585	15,342	10,911	45,932	15,488	I
16,332	2,502	20,706	15,084	25,539	6,630	13,098	3,518	14,381	9,646	14,472	14,160	17,992	10,967	VA
63,773	13,065	49,491	34,703	53,974	17,044	32,031	8,152	25,611	20,231	29,814	25,071	63,924	26,455	T

Table 2.1.—The Use of Commodities

[Millions of dollars]

Commodity number	For the distribution of output of a commodity, read the row for that commodity For the composition of inputs to an industry, read the column for that industry	Electrical industrial equipment and apparatus	Household appliances	Electric lighting and wiring equipment	Audio, video, and communication equipment	Electronic components and accessories	Miscellaneous electrical machinery and supplies	Motor vehicles (passenger cars and trucks)	Truck and bus bodies, trailers, and motor vehicles parts	Aircraft and parts	Other transportation equipment
	Industry number	53	54	55	56	57	58	59A	59B	60	61
1	Livestock and livestock products										
2	Other agricultural products							1	1	1	
3	Forestry and fishery products										
4	Agricultural, forestry, and fishery services	17	8	7	13	54		22	24	63	14
5+6	Metallic ores mining	33			32		7		279	31	
7	Coal mining	1				2		18	21	15	6
8	Crude petroleum and natural gas										
9+10	Nonmetallic minerals mining		28			1					
11	New construction										
12	Maintenance and repair construction	148	86	92	317	925	119	492	566	794	107
13	Ordinance and accessories										
14	Food and kindred products									7	
15	Tobacco products										
16	Broad and narrow fabrics, yarn and thread mills		2					178		99	
17	Miscellaneous textile goods and floor coverings	1			1			1,128	49	6	93
18	Apparel					1		5		6	
19	Miscellaneous fabricated textile products							4,060	15	143	124
20+21	Lumber and wood products	23	11	1	2			4	141	20	400
22+23	Furniture and fixtures		2		609	13	1	2,522	30	55	36
24	Paper and allied products, except containers	142	236	123	208	148	42	44	70	26	5
25	Paperboard containers and boxes	99	172	261	119	107	250	20	330	15	8
26A	Newspapers and periodicals	2		2	4	9	4	5	4	5	1
26B	Other printing and publishing	2	6	1	17	5	2	18	26	30	2
27A	Industrial and other chemicals	40	113	50	17	800	193	714	354	70	16
27B	Agricultural fertilizers and chemicals										
28	Plastics and synthetic materials	82	423	431	131	195	258	7	440	312	129
29A	Drugs										
29B	Cleaning and toilet preparations	18	16	23	19	7	3	7	4		
30	Paints and allied products	69	136	7	11			1,719	425	160	160
31	Petroleum refining and related products	163	66	65	43	76	42	188	161	178	97
32	Rubber and miscellaneous plastics products	778	1,449	560	1,011	1,057	1,380	9,196	2,071	1,665	618
33+34	Footwear, leather, and leather products							2	1	1	
35	Glass and glass products		33	473	2	638		1,504	64	19	181
36	Stone and clay products	844	90	189	9	47	16	201	270	218	28
37	Primary iron and steel manufacturing	1,302	1,137	690	244	332	397	234	6,749	829	1,608
38	Primary nonferrous metals manufacturing	1,440	750	1,026	592	1,692	1,138	43	5,810	2,430	420
39	Metal containers										
40	Heating, plumbing, and fabricated structural metal products	140			279	273	78		1,639	91	635
41	Screw machine products and stampings	511	492	548	544	731	226	12,604	3,233	888	218
42	Other fabricated metal products	199	276	410	341	2,482	423	2,794	1,103	1,584	532
43	Engines and turbines	248						2,020	197		1,283
44+45	Farm, construction, and mining machinery										35
46	Materials handling machinery and equipment							8	6		1
47	Metalworking machinery and equipment	61	31	55	37	111	47	197	195	1,022	59
48	Special industry machinery and equipment					73					
49	General industrial machinery and equipment	123	62		18		80	55	1,351	275	654
50	Miscellaneous machinery, except electrical	202	35	85	104	314	98	794	3,069	1,364	241
51	Computer and office equipment	11			200	773	145	2	2	144	
52	Service industry machinery	1	348	2	8	1		2,225	211		83
53	Electrical industrial equipment and apparatus	1,961	783	512	144	75	260	7	9	116	841
54	Household appliances		21								172
55	Electric lighting and wiring equipment	57	238	607	370	135	70	840	60		98
56	Audio, video, and communication equipment				1,659	107	32	1,770	1	750	17
57	Electronic components and accessories	701	145	141	12,301	12,958	2,032	2,617	2,072	1,621	8
58	Miscellaneous electrical machinery and supplies	11	1	1	271		597	2,496	1,396	36	111
59A	Motor vehicles (passenger cars and trucks)							643	431		662
59B	Truck and bus bodies, trailers, and motor vehicles parts	2		1	2	3	4	40,366	7,063	7	644
60	Aircraft and parts									25,248	
61	Other transportation equipment										804
62	Scientific and controlling instruments	40	653		129	143	57	883	4	5,054	93
63	Ophthalmic and photographic equipment	6	1	4	11	15	7	19	16	21	2
64	Miscellaneous manufacturing	3	9	69	1		1	12	7	13	3
65A	Railroads and related services; passenger ground transportation	77	43	37	48	135	39	520	270	113	66
65B	Motor freight transportation and warehousing	229	202	193	173	309	248	2,372	1,160	499	392
65C	Water transportation	20	5	2	4	18	7	49	33	17	4
65D	Air transportation	115	59	63	213	307	85	992	424	781	139
65E	Pipelines, freight forwarders, and related services				2	2		9	4	9	
66	Communications, except radio and TV	113	57	58	214	254	56	162	146	225	66
67	Radio and TV broadcasting										
68A	Electric services (utilities)	278	135	195	276	921	227	487	792	676	203
68B	Gas production and distribution (utilities)	78	42	58	41	115	45	141	175	109	56
68C	Water and sanitary services	25	7	20	20	70	55	79	233	146	40
69A	Wholesale trade	1,951	1,140	1,367	3,009	3,855	1,723	12,404	5,574	3,088	1,569
69B	Retail trade	19	28	31	29	20	19	47	41	15	8
70A	Finance	236	122	137	388	543	170	1,013	603	913	193
70B	Insurance	36	24	26	67	101	30	225	118	134	47
71A	Owner-occupied dwellings										
71B	Real estate and royalties	220	62	204	500	727	165	519	323	482	410
72A	Hotels and lodging places	84	51	58	156	216	63	454	244	331	86
72B	Personal and repair services (except auto)	32	12	15	37	129	30	130	170	160	19
73A	Computer and data processing services	66	24	67	267	347	53	128	239	856	112
73B	Legal, engineering, accounting, and related services	121	56	103	429	1,000	73	1,204	502	966	167
73C	Other business and professional services, except medical	394	169	236	628	1,259	390	1,042	968	1,583	335
73D	Advertising	333	436	386	343	834	199	683	1,578	437	171
74	Eating and drinking places	118	72	87	196	272	97	551	313	407	123
75	Automotive repair and services	83	40	56	121	284	80	9,801	339	367	64
76	Amusements	6	5	4	16	27	4	53	40	36	5
77A	Health services										
77B	Educational and social services, and membership organizations	21	35	12	66	110	23	414	151	225	22
78	Federal Government enterprises	22	37	14	64	31	12	103	128	93	11
79	State and local government enterprises	23	19	30	17	37	30	49	39	29	53
80	Noncomparable imports	191	32	191	387	294	299	465	384	98	21
81	Scrap, used and secondhand goods						79		20		
82	General government industry										
83	Rest of the world adjustment to final uses										
84	Household industry										
85	Inventory valuation adjustment										
I	Total intermediate inputs	14,372	10,773	10,086	27,531	36,520	12,327	126,780	54,981	58,227	15,631
VA	Value added	13,437	5,863	9,025	24,624	34,420	8,896	23,958	25,285	43,482	14,369
T	Total industry output	27,809	16,636	19,111	52,155	70,940	21,223	150,738	80,266	101,709	30,000

by Industries, 1992—Continued
 at producers' prices]

Scientific and controlling instruments	Ophthalmic and photographic equipment	Miscel- laneous manu- facturing	Railroads and related services; passenger ground transpor- tation	Motor freight transportation and warehousing	Water transportation	Air transportation	Pipelines, freight forwarders, and related services	Communica- tions, except radio and TV	Radio and TV broad- casting	Electric services (utilities)	Gas production and distribution (utilities)	Water and sanitary services	Wholesale trade	Commodity number
62	63	64	65A	65B	65C	65D	65E	66	67	68A	68B	68C	69A	
		3												1
		34		1	3	1		1		1	1		76	2
		14			3									3
51	8	8	1	2				38	4	16			278	4
14		11												5+6
32	19	2			9					15,676			9	7
							83			9	38,755		9	8
		5											6	9+10
623	149	189	2,465	736	30	239	574	8,177	260	13,324	6,799	1,535	2,441	11
55		90			83	231	5						659	12
						1								13
317		462		8		44		1					87	16
554	1	29											54	17
18		181	23	3	63	8		92		2			598	18
1		45		11	101	6	76	3					272	19
74		493		33	3	2	164	18	1	7	3	157	1,887	20+21
51		21												22+23
381	896	279	22	60		31	20	181	12	64	24	11	2,255	24
479	242	780	4	97		3	78	85	5	16	5	3	3,120	25
11	11	7	13	41		19	16	83	7	9	1	4	274	26A
71	3	65	201	372	33	153	242	785	10	89	15	5	5,620	26B
156	505	419	104	103	12	18	8	16	14	295	2	500	374	27A
													335	27B
449	278	992			4								5	28
								5					33	29A
30	14	38		2		3		24		3	5		466	29B
33		240		56	26	4		56				2	18	30
140	43	198	3,336	7,930	727	9,451	182	210	31	2,198	353	722	3,476	31
2,127	560	1,546	271	1,993	103	32	183	442	4	165	9	156	2,719	32
		31	1	2		1	1	2		2	1		9	33+34
370	154	24	52	3	4		12	18		7		21	198	35
122	10	140	2	8	2	1	4			4		16	114	36
964	42	774	404			2					1		71	37
1,381	108	2,003	1	4	21			16		100		1	334	38
25										1			464	39
762	7	145			5								106	40
1,263	206	140	7		2	42		365		42			2	41
1,579	66	470	264	476	221	70	74	244	2	33	9	82	522	42
		2	219	102	217		34	356		916			20	43
													86	44+45
				5						13			440	46
152	29	100	75	20	151	28		5	1	79	18	3	192	47
				2									62	48
70	4	22	337	45	373	5	105	424		63	3	3	43	49
450	91	321	105	59	95	123	43	17	5	195	8	17	691	50
1,302	11	21		2		2	19	322	33	7	152		258	51
2	1	3	8	9		4	4	3		1	1	8	174	52
1,056	119	187	250	191	10	13	28	348	29	188			97	53
				1										54
290	6	18	21	45	12	7		66		130	1	19	176	55
827		5		4		1	8	3,464	41				144	56
9,413	853	458	15		119			2,823	208				3,056	57
45	3	13	84	203	32	43	79	266	9	107	32	29	383	58
														59A
9	4	5	388	808	1	14	29	31	3	13	10	1,174	1,029	59B
						2,705								60
			944	6	741		1							61
3,040	123			14	1	13		24	3	105	21	703	52	62
27	1,243	11	10	62	7	19	28	83	40	9	8	6	622	63
12	1	3,021	13	39	74	27	32	147	5	33	10	4	535	64
112	82	99	2,368	442	19	128	33	156	18	4,682	40	43	517	65A
454	173	492	368	28,810	104	233	209	248	46	582	46	112	2,189	65B
13	14	20	78	209	4,282	164	56	10		740	72	17	142	65C
402	84	139	214	622	77	6,064	233	673	73	389	275	66	2,657	65D
4	1		442	4,966	1,407	7,820	763	12	1	34	468	9	294	65E
528	114	152	391	2,114	27	1,204	962	27,769	464	292	64	424	8,677	66
								81	606					67
814	148	324	96	1,128	120	294	438	810	190	24	194	81	4,784	68A
87	56	105	1	118	9	14	11	70	5	4,711	17,687	519	1,163	68B
67	23	31	108	2,139	36	124	33	228	44	194	24	1,431	940	68C
4,307	1,442	3,455	1,521	5,070	505	1,462	300	1,798	95	1,194	588	611	14,446	69A
55	19	55	185	754	15	43	26	69	8	38	31	170	1,492	69B
800	206	309	971	1,292	1,048	1,535	882	2,218	248	2,887	807	149	6,384	70A
146	35	74	261	1,341	46	151	181	338	166	358	117	230	917	70B
														71A
1,082	131	504	617	3,475	896	1,471	706	3,340	677	1,931	362	77	16,365	71B
319	72	120	139	634	46	300	99	631	76	401	131	47	1,955	72A
76	15	34	77	105	19	273	71	1,444	98	95	26	80	1,241	72B
501	80	79	788	479	280	2,224	2,346	2,845	424	1,746	245	59	7,733	73A
1,200	58	256	404	868	683	1,071	1,752	6,160	436	1,983	2,295	670	6,873	73B
2,413	475	648	1,106	3,409	2,356	1,538	922	4,008	777	1,792	483	219	24,355	73C
1,625	309	1,633	221	354	1,244	1,389	833	3,286	831	131	22	1	14,423	73D
436	95	187	230	747	57	1,832	124	745	90	480	147	60	2,245	74
250	58	117	656	9,615	15	152	220	1,142	129	224	168	74	4,791	75
38	9	17	14	71	15	59	17	2,818	11,122	52	27	5	653	76
				61										77A
217	94	159	136	80	121	65	251	312	157	534	48	12	1,135	77B
124	17	118	59	247	10	76	132	658	34	459	105	31	3,283	78
144	9	94	90	271		21	10	39	8	20	7		323	79
220	183	76	183	599	2,954	8,827	250	6,384		25	58	2	4,104	80
		1		5									1	81
														82
														83
														84
														85
45,262	9,812	23,363	21,364	83,582	19,644	51,975	13,992	87,533	17,550	59,920	70,784	10,380	169,033	I
60,227	14,319	17,952	34,390	83,371	12,796	42,166	19,624	120,561	11,809	110,976	22,373	8,802	399,937	VA
105,489	24,131	41,315	55,754	166,953	32,440	94,141	33,616	208,094	29,359	170,896	93,157	19,182	568,970	T

Table 2.1.—The Use of Commodities

[Millions of dollars]

Commodity number	For the distribution of output of a commodity, read the row for that commodity	Retail trade	Finance	Insurance	Owner-occupied dwellings	Real estate and royalties	Hotels and lodging places	Personal and repair services (except auto)	Computer and data processing services	Legal, engineering, accounting, and related services	Other business and professional services, except medical	Advertising
	For the composition of inputs to an industry, read the column for that industry											
	Industry number	69B	70A	70B	71A	71B	72A	72B	73A	73B	73C	73D
1	Livestock and livestock products										44	
2	Other agricultural products	2	3	2		25	5		2	6	2	
3	Forestry and fishery products						3					
4	Agricultural, forestry, and fishery services	538	114	59	3,634	2,877	275	42	54	113	101	9
5+6	Metallic ores mining											
7	Coal mining	5	2			4	2	3		1	1	
8	Crude petroleum and natural gas											
9+10	Nonmetallic minerals mining	1						3				
11	New construction											
12	Maintenance and repair construction	5,017	1,146	612	21,663	29,578	1,526	512	310	388	897	51
13	Ordinance and accessories										88	
14	Food and kindred products	92					119				31	
15	Tobacco products											
16	Broad and narrow fabrics, yarn and thread mills	51					6	142			6	
17	Miscellaneous textile goods and floor coverings	43	1			1	13	37		2	7	
18	Apparel	31					49	376			89	
19	Miscellaneous fabricated textile products	32	175	19		10	503	260			6	18
20+21	Lumber and wood products	107	75	47		43	12	43	18	75	89	4
22+23	Furniture and fixtures	1				3			2	5	2	
24	Paper and allied products, except containers	3,927	1,133	381		546	203	255	287	728	1,404	85
25	Paperboard containers and boxes	878	135	49		75	124	59	25	95	573	7
26A	Newspapers and periodicals	113	318	35		24	53	34	35	128	154	6
26B	Other printing and publishing	599	3,506	1,543		814	191	949	1,039	1,963	2,451	2,223
27A	Industrial and other chemicals	40	50	20	2	42	11	154	10	44	1,241	2
27B	Agricultural fertilizers and chemicals	23			344	132	112				4	
28	Plastics and synthetic materials	12						12				
29A	Drugs											
29B	Cleaning and toilet preparations	159	23	7		50	72	1,117	4	29	450	
30	Paints and allied products	32	1	46		27	1	9		2	54	
31	Petroleum refining and related products	2,787	392	127		560	188	382	104	218	1,493	14
32	Rubber and miscellaneous plastics products	1,777	125	342	61	396	247	386	192	243	1,039	26
33+34	Footwear, leather, and leather products	128	17	6		8	5	350	4	41	54	
35	Glass and glass products	14	26	9		4	254	4	4	126	292	
36	Stone and clay products	19	10			359	38	10	4	24	83	
37	Primary iron and steel manufacturing	6	2	1				7		3	73	
38	Primary nonferrous metals manufacturing	4		15		8		73			20	
39	Metal containers										38	
40	Heating, plumbing, and fabricated structural metal products	8			134	83		6				
41	Screw machine products and stampings	1					6	85			103	
42	Other fabricated metal products	614	265	212		189	38	238	42	172	318	10
43	Engines and turbines	74	3					3			139	
44+45	Farm, construction, and mining machinery				159						80	
46	Materials handling machinery and equipment	8									146	
47	Metalworking machinery and equipment	45	3			4	1	12		11	568	
48	Special industry machinery and equipment	42				3		41	2	5	394	
49	General industrial machinery and equipment	23	22			10		37			427	
50	Miscellaneous machinery, except electrical	249	16	1		7	8	91	19	77	439	6
51	Computer and office equipment	81	240	187		38	7	447	6,602	513	476	65
52	Service industry machinery	130	2	1		2	6	324	1	4	142	2
53	Electrical industrial equipment and apparatus	39	18	4		5	13	57	122	4	867	1
54	Household appliances	6	1			48	8	683			5	
55	Electric lighting and wiring equipment	228	22	20		37	16	22	1	13	122	3
56	Audio, video, and communication equipment	32	13	4		4	4	12	5	8	63	2
57	Electronic components and accessories	193	67	1		1		933	4,396	20	2,469	3
58	Miscellaneous electrical machinery and supplies	325	337	263		70	16	59	331	415	404	16
59A	Motor vehicles (passenger cars and trucks)											
59B	Truck and bus bodies, trailers, and motor vehicles parts	1,961	68	54		58	34	75	19	91	493	23
60	Aircraft and parts											
61	Other transportation equipment	1		3		1					279	
62	Scientific and controlling instruments	49	1	54		31	15	73	67	18	170	1
63	Ophthalmic and photographic equipment	190	619	324		138	28	956	66	600	1,187	37
64	Miscellaneous manufacturing	478	646	175		155	85	1,322	53	312	629	33
65A	Railroads and related services; passenger ground transportation	429	327	274	6	366	64	71	81	182	543	19
65B	Motor freight transportation and warehousing	1,442	4,295	887	25	555	317	481	168	740	1,615	44
65C	Water transportation	74	33	7		13	15	30	10	35	119	3
65D	Air transportation	1,490	1,383	1,014		1,277	223	283	489	844	1,808	73
65E	Pipelines, freight forwarders, and related services	46	26	16		25	799	10	10	21	44	3
66	Communications, except radio and TV	4,984	5,192	4,175		3,780	787	1,140	2,385	3,019	4,473	312
67	Radio and TV broadcasting											148
68A	Electric services (utilities)	11,904	1,973	376		6,591	2,162	1,283	408	866	1,372	122
68B	Gas production and distribution (utilities)	860	478	41		945	359	403	29	130	290	7
68C	Water and sanitary services	1,679	1,051	119		3,473	812	467	42	122	278	3
69A	Wholesale trade	2,369	1,813	664	186	844	440	1,613	2,713	1,233	3,835	266
69B	Retail trade	1,912	132	117	191	270	115	79	28	63	695	18
70A	Finance	8,763	59,978	10,686	8,542	5,105	3,052	879	996	2,711	3,055	176
70B	Insurance	1,581	1,267	64,466	3,022	1,637	105	214	93	290	645	35
71A	Owner-occupied dwellings											
71B	Real estate and royalties	37,343	13,426	9,227	16,415	35,987	4,361	5,141	3,684	13,594	9,814	1,360
72A	Hotels and lodging places	1,590	1,202	1,081		1,909	217	241	1,322	1,364	1,616	71
72B	Personal and repair services (except auto)	1,670	439	175		1,944	406	4,479	171	207	612	31
73A	Computer and data processing services	3,427	12,745	2,241		625	396	543	9,273	6,149	5,260	249
73B	Legal, engineering, accounting, and related services	5,286	11,258	7,742	2,395	9,389	512	3,082	1,807	19,336	6,473	1,117
73C	Other business and professional services, except medical	18,437	16,395	8,848	1,640	14,303	4,247	2,525	3,636	21,105	18,122	2,454
73D	Advertising	26,490	7,426	2,730		5,001	1,048	2,267	1,084	924	2,818	181
74	Eating and drinking places	2,219	1,410	1,283		1,651	328	327	425	816	2,146	84
75	Automotive repair and services	3,188	1,022	3,416		3,604	382	554	648	1,169	2,313	320
76	Amusements	437	215	144		171	33	43	46	179	451	614
77A	Health services										2	
77B	Educational and social services, and membership organizations	507	865	338		476	110	326	750	781	1,134	67
78	Federal Government enterprises	3,067	8,904	1,781		1,559	301	510	705	2,414	2,099	159
79	State and local government enterprises	361	142	25		409	103	66	14	72	84	6
80	Noncomparable imports	78	3,113	724			80	22	548	506	1,264	47
81	Scrap, used and secondhand goods	1		1		1		1			1	
82	General government industry											
83	Rest of the world adjustment to final uses											
84	Household industry											
85	Inventory valuation adjustment											
I	Total intermediate inputs	162,849	166,107	127,221	58,419	137,880	26,071	37,775	44,385	85,369	93,687	10,636
VA	Value added	359,670	250,165	103,876	398,831	412,233	33,531	53,997	71,345	170,992	246,758	19,229
T	Total industry output	522,519	416,272	231,097	457,250	550,113	59,602	91,772	115,730	256,361	340,445	29,865

by Industries, 1992—Continued
 at producers' prices]

Eating and drinking places	Automotive repair and services	Amusements	Health services	Educational and social services, and membership organizations	Federal Government enterprises	State and local government enterprises	General government industry	Household industry	Inventory valuation adjustment	Total intermediate use	Commodity number
74	75	76	77A	77B	78	79	82	84	85		
321		39	55	65						85,869	1
1,843	2	147	203	124	6					71,142	2
1,747		6	37		6					13,280	3
186	53	271	748	358	2	303				27,310	4
										8,268	5+6
6	2	1	7	3	734	1,273				23,786	7
						630				138,601	8
				3		51				12,371	9+10
										170	11
2,129	535	1,065	2,889	9,276	922	20,230				159,448	12
		10								465	13
61,536		692	4,308	2,507	179					153,699	14
										3,348	15
		80	36	34	8	10				37,127	16
38	55	10	49	9	4	11				10,074	17
8	43	107	618	80	1	34				16,628	18
157	124	53	689	81	109	2				10,770	19
25	11	78	135	193						80,245	20+21
	166	2	5	2	105					5,479	22+23
899	190	218	2,353	1,321	77	45				80,994	24
1,003	90	95	779	279	116					30,352	25
29	41	63	387	941	4	6				4,401	26A
580	107	272	3,064	9,352	737	150				56,500	26B
299	218	117	8,163	209	104	1,209				97,797	27A
		134	35	48		141				15,545	27B
			181							46,036	28
		9	7,576	63		3				17,620	29A
54	121	31	658	167	38	39				8,826	29B
5	341	36	3	56						12,894	30
722	1,962	352	1,005	966	734	3,612				83,751	31
2,203	2,874	141	6,573	714	17	127				99,363	32
3	2	70	43	151	18					3,871	33+34
417	785	5	928	296	3	49				16,883	35
391	48	2	200	3		523				42,481	36
		1	2	21	31					81,280	37
7	5	15	12	2	43					68,611	38
		2		2		2				13,025	39
57	1,467	19	332	75	28	2				43,481	40
104	1,676	88	432	250	8	23				33,140	41
2	657		1	4	99	113				51,306	42
		4				160				10,279	43
						5				6,049	44+45
1	32	7	12	15	4	12				2,674	46
148	35		4	2						9,666	47
162	25		7		8	14				4,224	48
36	305	27	118	93	95	875				17,643	49
11	6	21	794	73	3					22,989	50
46	923	101	99	40	15	386				24,759	51
5	411	3	100	23		442				14,939	52
5			13	15		10				21,175	53
78	493	86	233	102	28	124				2,658	54
16	16	9	13	64		43				17,691	55
	272	3	200	182		42				12,017	56
46	712	632	296	196	18	153				75,400	57
	108									13,375	58
350	15,685	93	276	257	736	279				1,844	59A
	1									74,459	59B
		39		5	10	155				29,930	60
6	95	13	9,594	228	1	13				3,092	61
19	42	57	1,312	451	11	13				25,540	62
371	50	306	407	914	33	51				9,589	63
492	269	79	738	201	715	468				13,526	64
2,202	877	243	1,783	788	967	425				32,452	65A
75	62	29	104	32	150	270				110,656	65B
896	608	316	1,725	758	1,549	100				12,771	65C
18	255	6	47	26	6	30				39,502	65D
1,088	1,262	931	4,993	2,117	197	468				22,544	65E
										95,074	66
										835	67
6,246	1,331	1,797	4,136	2,079	308	3,896				98,868	68A
997	328	162	896	519	200	2,666				61,944	68B
1,591	389	313	1,588	667	331	1,126				27,052	68C
13,063	5,719	1,784	8,507	2,971	413	728				280,569	69A
392	1,057	113	421	326	11	19				39,882	69B
2,674	2,206	1,066	3,717	2,664	407	1,102				163,754	70A
387	618	180	1,640	522	102	198				90,095	70B
											71A
13,783	7,095	7,622	34,279	25,605	718	2,156				330,296	71B
810	477	306	1,706	717	20	24				27,260	72A
890	1,590	315	1,300	494	13	110				23,579	72B
749	575	538	6,224	4,257	230	435				83,729	73A
2,493	998	2,696	9,471	3,221	131	3,296				179,136	73B
5,882	2,887	4,064	24,644	11,216	907	1,679				271,050	73C
6,112	2,281	4,728	2,524	5,736	5	204				136,364	73D
4,252	554	440	4,405	1,646	74	127				41,383	74
1,193	1,805	806	3,420	1,332	212	492				70,073	75
2,459	71	19,673	229	912		2				41,927	76
		33	11,974							13,484	77A
443	101	189	1,477	1,217	21	65				16,339	77B
480	503	503	5,390	2,176	48	268				39,448	78
193	166	41	192	97	23	1,003				6,810	79
128	13	222	24	20	1,262					44,964	80
1	507	-155								7,147	81
											82
											83
											84
											85
146,060	65,390	54,672	193,538	102,631	14,089	52,717				4,588,742	I
134,648	72,991	66,696	371,448	125,701	46,883	40,089		10,087	-7,982		VA
280,708	138,381	121,368	564,986	228,332	60,972	92,806	764,389	10,087	-7,982		T

Table 2.1.—The Use of Commodities
[Millions of dollars]

Com- modity number	For the distribution of output of a commodity, read the row for that commodity For the composition of inputs to an industry, read the column for that industry Industry number	Personal consump- tion expendi- tures	Gross private fixed investment	Change in business in- ventories	Exports of goods and services	Imports of goods and services	Federal Government consumption expenditures and gross investment				
							Total	National defense: Consumption expenditures	National defense: Gross investment	Nondefense: Consumption expenditures	Nondefense: Gross investment
		91	92	93	94	95		96C	96I	97C	97I
1	Livestock and livestock products	3,709		857	800	-2,061	7	2		5	
2	Other agricultural products	19,531		4,035	16,116	-6,860	-358			-358	
3	Forestry and fishery products	3,085		-45	2,880	-5,659	-1,169	-1		-1,168	
4	Agricultural, forestry, and fishery services	729			61	-21	39	19		20	
5+6	Metallic ores mining		50	-24	1,104	1,488	-147	-148		1	
7	Coal mining	68		-3	3,122	-133	29	1		28	
8	Crude petroleum and natural gas		23	-105	3,290	-43,984	-202			-202	
9+10	Nonmetallic minerals mining	39		25	686	-898	2	-3		5	
11	New construction		339,916				15,803		5,234		10,569
12	Maintenance and repair construction		20,362		77		10,429	6,649		3,780	
13	Ordinance and accessories	1,473	29	-1,855	3,592	-809	19,177	7,568	8,911	482	2,216
14	Food and kindred products	248,010		150	19,630	-21,850	464	269		195	
15	Tobacco products	30,395		2,137	5,874	-1,587					
16	Broad and narrow fabrics, yarn and thread mills	1,683		477	2,359	-4,397	63	51		12	
17	Miscellaneous textile goods and floor coverings	5,578	2,343	19	1,724	-1,879	49	3		25	21
18	Apparel	80,934		3,897	4,065	-38,484	506	505		1	
19	Miscellaneous fabricated textile products	11,189		470	810	-2,870	206	150		56	
20+21	Lumber and wood products	2,529	4,661	663	5,965	-7,143	31	14		16	1
22+23	Furniture and fixtures	21,623	16,091	185	2,633	-6,026	198		10		188
24	Paper and allied products, except containers	14,921		771	8,567	-10,715	699	98		601	
25	Paperboard containers and boxes	381		277	691	-247	91	40		51	
26A	Newspapers and periodicals	14,339		-62	653	-199	111	12		99	
26B	Other printing and publishing	15,282		753	2,984	-1,783	996	290		706	
27A	Industrial and other chemicals	2,154	1,957	729	17,292	-14,375	4,268	3,109		1,159	
27B	Agricultural fertilizers and chemicals	920		-153	3,341	-2,330	27	8		19	
28	Plastics and synthetic materials			239	8,477	-3,827	17	11		6	
29A	Drugs	43,864		1,292	7,272	-13,193	530	365		165	
29B	Cleaning and toilet preparations	30,098		186	2,591	-2,052	180	126		54	
30	Paints and allied products	480		42	745	-200	6			6	
31	Petroleum refining and related products	53,355		46	9,084	-11,582	3,109	2,771		338	
32	Rubber and miscellaneous plastics products	15,051	215	995	6,905	-13,253	625	423		152	50
33+34	Footwear, leather, and leather products	16,491		331	1,464	-12,824	45	41		4	
35	Glass and glass products	979		185	1,544	-2,159	167	16		151	
36	Stone and clay products	2,570		-196	1,713	-4,551	94	30		64	
37	Primary iron and steel manufacturing	36	16	-339	3,505	-10,893	230	221		9	
38	Primary nonferrous metals manufacturing	71	52	-392	6,379	-10,228	242	48	36	84	74
39	Metal containers		38	10	341	-201	15	15			
40	Heating, plumbing, and fabricated structural metal products	326	3,612	-110	2,061	-1,008	677	158	184	239	96
41	Screw machine products and stampings	1,345		217	2,171	-2,628	193	122		71	
42	Other fabricated metal products	4,266	2,415	67	4,849	-8,510	634	269	157	137	71
43	Engines and turbines	169	3,271	-184	5,419	-2,413	964	119	558	2	285
44+45	Farm, construction, and mining machinery	400	17,803	277	9,002	-4,754	506	9	464	9	24
46	Materials handling machinery and equipment		5,743	-41	1,302	-1,468	65		50	3	12
47	Metalworking machinery and equipment	687	17,652	18	3,686	-5,127	64	6	18	38	2
48	Special industry machinery and equipment	237	16,820	-106	4,510	-5,881	158	2	21	123	12
49	General industrial machinery and equipment		11,300	-80	7,834	-7,796	292	79	165	11	37
50	Miscellaneous machinery, except electrical	136	700	-59	1,962	-1,895	851	195	389	31	236
51	Computer and office equipment	5,368	36,169	-1,241	22,925	-32,687	2,864	222	963	732	947
52	Service industry machinery	910	7,376	165	3,320	-2,243	157	79	21	56	1
53	Electrical industrial equipment and apparatus	200	6,826	77	4,083	-5,295	802	376	126	147	153
54	Household appliances	13,100	2,668	-96	2,329	-4,072	40	22	9	1	8
55	Electric lighting and wiring equipment	2,023	283	141	2,839	-4,985	339	227		112	
56	Audio, video, and communication equipment	21,682	24,513	374	9,551	-25,409	7,532	3,548	2,356	183	1,445
57	Electronic components and accessories	216		-51	16,150	-20,574	1,920	1,660		260	
58	Miscellaneous electrical machinery and supplies	629	2,058	-149	5,702	-8,062	1,447	504	692	201	50
59A	Motor vehicles (passenger cars and trucks)	105,552	75,132	1,114	16,336	-58,285	2,104	5	1,574	14	511
59B	Truck and bus bodies, trailers, and motor vehicles parts	4,277	4,981	-220	16,995	-21,743	839	198	219	68	354
60	Aircraft and parts	465	13,676	-8,011	40,656	-12,153	37,546	26,065	9,906	1,021	554
61	Other transportation equipment	11,958	4,741	-298	3,354	-2,693	8,841	2,545	6,093	74	129
62	Scientific and controlling instruments	5,479	43,637	-228	17,864	-14,773	26,133	6,223	15,617	1,960	2,333
63	Ophthalmic and photographic equipment	6,240	6,915	368	3,453	-8,153	1,335	964	294	55	22
64	Miscellaneous manufacturing	36,410	5,365	765	4,427	-23,335	22	41	108	-137	10
65A	Railroads and related services; passenger ground transportation	19,504	957	135	3,973	-164	914	606	23	279	6
65B	Motor freight transportation and warehousing	25,965	4,138	629	10,161	-2,059	5,326	4,174	177	926	49
65C	Water transportation	6,249	18	36	9,695	3,530	1,624	1,521		103	
65D	Air transportation	36,404	1,539	137	23,317	-8,544	3,353	2,603	136	589	25
65E	Pipelines, freight forwarders, and related services	3,474		8	2,700		22	31		-9	
66	Communications, except radio and TV	90,397	5,065		3,596		3,319	1,471		1,848	
67	Radio and TV broadcasting	1,839									
68A	Electric services (utilities)	79,337			267	-695	2,451	1,949		502	
68B	Gas production and distribution (utilities)	29,537		11	548		470	346		124	
68C	Water and sanitary services	20,464			65		1,036	495		541	
69A	Wholesale trade	158,445	48,167	2,658	44,726	18,317	4,467	1,718	1,592	549	608
69B	Retail trade	471,448	14,358		20		2			2	
70A	Finance	198,007			17,142	-265	1,030			1,030	
70B	Insurance	138,181			1,685	-1,136	2,297	17		2,280	
71A	Owner-occupied dwellings	457,250									
71B	Real estate and royalties	166,640	28,407		20,683	-11	3,691	512		3,179	
72A	Hotels and lodging places	29,881			48		1,116	967		149	
72B	Personal and repair services (except auto)	65,602			42		69	51		18	
73A	Computer and data processing services	2,444	3,441	-41	3,092	-225	16,719	7,913		8,806	
73B	Legal, engineering, accounting, and related services	45,781	15,785		5,013	-839	3,733	3,126		607	
73C	Other business and professional services, except medical	20,917			5,677	-1,632	21,244	14,210		7,034	
73D	Advertising	676			531	-615	67	55		12	
74	Eating and drinking places	242,151			328		1,230	505		725	
75	Automotive repair and services	90,099		4	34	-6	496	431		65	
76	Amusements	78,466			4,289	-248	573	548		25	
77A	Health services	611,328			26	-13	1,681	9		1,672	
77B	Educational and social services, and membership organizations	225,749			450	-449	9,527	390		9,137	
78	Federal Government enterprises	6,881			188		1,058	1,080		-22	
79	State and local government enterprises	22,489					205	165		40	
80	Noncomparable imports	33,009				-90,036	12,063	9,906		2,157	
81	Scrap, used and secondhand goods	17,187	-30,293	1,529	5,872	-2,746	668	933	18	126	-409
82	General government industry						273,327	196,793		76,534	
83	Rest of the world adjustment to final uses	-66,481			67,325	-74	-770			-770	
84	Household industry	10,087									
85	Inventory valuation adjustment			-7,982							
I	Total intermediate inputs										
VA	Value added										
T	Total industry output	4,208,718	790,991	5,430	602,609	-631,637	525,912	318,866	56,121	130,235	20,690

by Industries, 1992—Continued
 at producers' prices]

State and local government consumption expenditures and gross investment					GDP	Total commodity output	Commodity number
Total	Education: Consumption expenditures	Education: Gross investment	Other: Consumption expenditures	Other: Gross investment			
	98C	98I	99C	99I			
194	40		154		3,506	89,375	1
940	297		643		33,404	104,546	2
-507	9		-516		-1,415	11,865	3
1,687	377		1,310		2,495	29,805	4
					2,471	10,739	5+6
48	28		20		3,131	26,917	7
					-40,978	97,623	8
58			58		-88	12,283	9+10
101,060		20,251		80,809	456,779	456,949	11
32,065	6,802		25,263		62,933	222,381	12
145			145		21,752	22,217	13
8,654	4,061		4,591	2	255,058	408,757	14
-20	-1		-19		36,799	40,147	15
216	73		143		401	37,528	16
75	6	12	47	10	7,909	17,983	17
1,091	6		1,085		52,009	68,637	18
446	67		379		10,251	21,021	19
176	75		101		6,882	87,127	20+21
2,666		1,601	4	1,061	37,370	42,849	22+23
3,260	1,654		1,606		17,503	98,497	24
198	39		159		1,391	31,743	25
652	406		246		15,494	19,895	26A
6,470	4,346		2,124		24,702	81,202	26B
3,537	826		2,711		15,562	113,359	27A
500	146		354		2,305	17,850	27B
2	1		1		4,908	50,944	28
4,936	119		4,817		44,701	62,321	29A
728	136		592		31,731	40,557	29B
412	296		116		1,485	14,379	30
12,068	5,385		6,683		66,080	149,831	31
1,912	110		1,802		12,450	111,813	32
160			160		5,667	9,538	33+34
382	73		309		1,098	17,981	35
180	80		100		-190	42,291	36
87	7		80		-7,358	73,922	37
78	5		73		-3,798	64,813	38
10	5		5		213	13,238	39
11			10	1	5,569	49,050	40
126	39		87		1,424	34,564	41
1,491	256	196	696	343	5,212	56,518	42
390	91	5	143	151	7,616	17,895	43
1,663	62	24	14	1,563	24,897	30,946	44+45
15		9		6	5,616	8,290	46
400	98	124	69	109	17,380	27,046	47
256	95	154		7	15,994	20,218	48
485	81	66	73	265	12,035	29,678	49
262	130	40	55	37	1,957	24,946	50
3,931	186	1,783	489	1,473	37,329	62,088	51
1,177	410	288	243	236	10,862	25,801	52
706	82	175	16	433	7,399	28,574	53
206	2	134	22	48	14,175	16,833	54
724	358	35	324	7	1,364	19,055	55
721	15	299	129	278	38,964	50,981	56
237	81		156		-2,102	73,298	57
434	98	185	125	26	7,728	21,103	58
5,887		1,364		4,523	147,840	149,684	59A
1,670	669		984	17	6,799	81,258	59B
45				45	72,224	102,154	60
912		218	35	659	26,815	29,907	61
4,263	65	496	2,204	1,498	82,375	107,915	62
2,998	699	403	1,452	444	13,156	22,745	63
2,270	807	464	970	29	25,924	39,450	64
4,287	3,663	16	557	51	29,606	62,058	65A
2,294	824	89	1,163	218	46,454	157,110	65B
424	84		340		21,576	34,347	65C
3,111	934	24	2,124	29	59,317	98,819	65D
218	56		162		6,422	28,966	65E
8,490	3,585		4,905		110,867	205,941	66
					1,839	2,674	67
15,467	5,534		9,933		96,827	195,695	68A
3,645	2,023		1,622		34,211	96,155	68B
1,648	1,395		253		23,213	50,265	68C
11,621	3,196	1,421	5,228	1,776	288,401	568,970	69A
468			468		486,296	526,178	69B
11,106			11,106		227,020	390,774	70A
532	351		181		141,559	231,654	70B
					457,250	457,250	71A
10,032	806		9,226		229,442	559,738	71B
631	-2,697		3,328		31,676	58,936	72A
2,724	1,060		1,664		68,437	92,016	72B
8,879	2,003		6,876		34,309	118,038	73A
3,988	1,908		2,080		73,461	252,597	73B
15,129	5,595		9,534		61,335	332,385	73C
1,507	621		886		2,166	138,530	73D
-3,075	-6,291		3,216		240,634	282,017	74
3,708	1,094		2,614		94,335	164,408	75
-2,070	224		-2,294		81,010	122,937	76
-61,899	-17		-61,882		551,123	564,607	77A
-23,985	-27,527		3,542		211,292	227,631	77B
2,625	182		2,443		10,752	50,200	78
658	225		433		23,352	30,162	79
					-44,964		80
2,811	449	319	120	1,923	-4,972	2,175	81
491,062	257,127		233,935		764,389	764,389	82
							83
					10,087	10,087	84
					-7,982	-7,982	85
							I
					6,233,905		VA
731,882	286,205	30,195	317,405	98,077		10,822,647	T

Table 2.2.—Input Components of Total Industry Output, 1992 Benchmark

[Millions of dollars at producers' prices]

Industry number		Value added				Total intermediate inputs	Total industry output	Industry number
		Total	Compensation	Indirect business tax and nontax liability	Other value added			
1	Livestock and livestock products	15,603	4,530	1,296	9,777	75,901	91,504	1
2	Other agricultural products	57,740	7,869	3,387	46,484	50,554	108,294	2
3	Forestry and fishery products	4,806	1,651	513	2,642	4,807	9,613	3
4	Agricultural, forestry, and fishery services	16,982	14,209	569	2,204	11,269	28,251	4
5+6	Metallic ores mining	4,330	2,721	542	1,067	6,419	10,749	5+6
7	Coal mining	15,804	8,366	2,429	5,009	11,113	26,917	7
8	Crude petroleum and natural gas	49,313	14,127	4,729	30,457	56,056	105,369	8
9+10	Nonmetallic minerals mining	8,214	4,500	577	3,137	5,468	13,682	9+10
11	New construction	202,770	159,748	2,836	40,186	254,179	456,949	11
12	Maintenance and repair construction	109,852	83,087	709	26,056	112,529	222,381	12
13	Ordinance and accessories	14,931	10,171	312	4,448	10,829	25,760	13
14	Food and kindred products	125,027	56,037	10,243	58,747	283,455	408,482	14
15	Tobacco products	25,731	3,362	5,540	18,829	14,415	40,146	15
16	Broad and narrow fabrics, yarn and thread mills	14,519	10,425	249	3,845	27,127	41,646	16
17	Miscellaneous textile goods and floor coverings	5,769	3,592	121	2,056	11,811	17,580	17
18	Apparel	23,318	19,087	246	3,985	45,814	69,132	18
19	Miscellaneous fabricated textile products	7,378	5,156	86	2,136	11,677	19,055	19
20+21	Lumber and wood products	31,858	18,500	480	12,878	55,007	96,865	20+21
22+23	Furniture and fixtures	19,462	13,002	222	6,238	23,515	42,977	22+23
24	Paper and allied products, except containers	39,850	20,366	866	18,618	59,763	99,613	24
25	Paperboard containers and boxes	10,300	7,982	280	2,038	21,638	31,938	25
26A	Newspapers and periodicals	34,017	19,094	319	14,604	22,694	56,711	26A
26B	Other printing and publishing	57,511	34,252	611	22,648	53,053	110,564	26B
27A	Industrial and other chemicals	40,288	21,962	1,737	16,589	69,592	109,880	27A
27B	Agricultural fertilizers and chemicals	6,187	2,491	159	3,537	11,644	17,831	27B
28	Plastics and synthetic materials	14,788	9,240	397	5,151	33,252	48,040	28
29A	Drugs	31,957	12,041	685	19,231	30,717	62,674	29A
29B	Cleaning and toilet preparations	18,309	5,845	341	12,123	21,499	39,628	29B
30	Paints and allied products	5,771	2,880	121	2,770	8,427	14,198	30
31	Petroleum refining and related products	19,526	8,815	4,200	6,511	126,183	145,709	31
32	Rubber and miscellaneous plastics products	48,800	31,129	930	16,741	62,561	111,361	32
33+34	Footwear, leather, and leather products	3,512	2,367	65	1,080	5,856	9,368	33+34
35	Glass and glass products	9,445	5,553	160	3,732	8,370	17,815	35
36	Stone and clay products	19,559	12,465	412	6,682	23,345	42,904	36
37	Primary iron and steel manufacturing	27,412	20,920	866	5,626	49,153	76,565	37
38	Primary nonferrous metals manufacturing	16,332	11,471	727	4,134	47,441	63,773	38
39	Metal containers	2,502	2,018	93	391	10,563	13,065	39
40	Heating, plumbing, and fabricated structural metal products	20,706	15,160	358	5,188	28,795	49,491	40
41	Screw machine products and stampings	15,084	12,889	248	1,947	19,619	34,703	41
42	Other fabricated metal products	25,539	17,449	384	7,706	28,435	53,974	42
43	Engines and turbines	6,630	4,556	133	1,941	10,414	17,044	43
44+45	Farm construction, and mining machinery	13,098	8,763	259	4,076	18,933	32,031	44+45
46	Materials handling machinery and equipment	3,518	2,676	63	779	4,634	6,152	46
47	Metalworking machinery and equipment	14,381	11,779	202	2,400	11,230	25,611	47
48	Special industry machinery and equipment	9,646	7,413	161	2,072	10,585	20,231	48
49	General industrial machinery and equipment	14,472	10,756	235	3,481	15,342	29,814	49
50	Miscellaneous machinery, except electrical	14,160	11,897	195	2,068	10,911	25,071	50
51	Computer and office equipment	17,992	13,357	508	4,127	45,932	63,924	51
52	Service industry machinery	10,967	7,483	211	3,273	15,488	26,455	52
53	Electrical industrial equipment and apparatus	13,437	9,198	205	4,034	14,372	27,809	53
54	Household appliances	5,863	3,506	130	2,227	10,773	16,636	54
55	Electric lighting and wiring equipment	9,025	5,708	143	3,174	10,086	19,111	55
56	Audio, video, and communication equipment	24,624	14,449	384	9,791	27,531	52,155	56
57	Electronic components and accessories	34,420	23,599	526	10,295	36,520	70,940	57
58	Miscellaneous electrical machinery and supplies	8,896	6,267	160	2,469	12,327	21,223	58
59A	Motor vehicles (passenger cars and trucks)	23,958	16,975	960	6,023	126,790	150,738	59A
59B	Truck and bus bodies, trailers, and motor vehicles parts	25,285	22,360	438	2,487	54,981	80,266	59B
60	Aircraft and parts	43,482	35,059	670	7,753	58,227	101,709	60
61	Other transportation equipment	14,369	10,601	182	3,586	15,631	30,000	61
62	Scientific and controlling instruments	60,227	39,582	638	20,007	45,262	105,489	62
63	Ophthalmic and photographic equipment	14,319	4,934	146	9,239	9,812	24,131	63
64	Miscellaneous manufacturing	17,952	12,280	341	5,331	23,363	41,315	64
65A	Railroads and related services; passenger ground transportation	34,390	23,458	1,006	9,926	21,364	55,754	65A
65B	Motor freight transportation and warehousing	83,371	55,533	2,615	25,223	83,582	166,953	65B
65C	Water transportation	12,796	7,140	583	5,073	19,644	32,440	65C
65D	Air transportation	42,166	32,761	5,696	3,709	51,975	94,141	65D
65E	Pipelines, freight forwarders, and related services	19,624	10,710	993	7,921	13,992	33,616	65E
66	Communications, except radio and TV	120,561	43,959	12,620	63,982	87,533	208,094	66
67	Radio and TV broadcasting	11,809	8,399	541	2,869	17,550	29,359	67
68A	Electric services (utilities)	110,976	22,255	12,554	76,167	59,920	170,896	68A
68B	Gas production and distribution (utilities)	22,373	5,837	4,329	12,207	70,794	93,157	68B
68C	Water and sanitary services	8,802	4,337	1,833	2,632	10,380	19,182	68C
69A	Wholesale trade	399,937	231,373	101,516	67,048	169,033	568,970	69A
69B	Retail trade	359,670	216,386	73,207	70,077	162,849	522,519	69B
70A	Finance	250,165	145,483	16,337	88,345	166,107	416,272	70A
70B	Insurance	103,876	91,915	13,920	-1,959	127,221	231,097	70B
71A	Owner-occupied dwellings	398,831	.....	79,726	325,809	58,419	457,250	71A
71B	Real estate and royalties	412,233	48,354	79,726	284,153	137,880	550,113	71B
72A	Hotels and lodging places	33,531	21,166	5,222	7,143	26,071	59,602	72A
72B	Personal and repair services (except auto)	53,997	30,383	5,095	21,519	37,775	91,772	72B
73A	Computer and data processing services	71,345	49,419	1,869	20,057	44,385	115,730	73A
73B	Legal, engineering, accounting, and related services	170,992	119,231	1,717	50,044	85,369	256,361	73B
73C	Other business and professional services, except medical	246,758	145,046	5,575	96,137	93,687	340,445	73C
73D	Advertising	19,229	11,774	352	7,103	10,636	29,865	73D
74	Eating and drinking places	134,648	95,245	16,647	22,756	146,060	280,708	74
75	Automotive repair and services	72,991	39,070	6,708	27,213	65,390	138,381	75
76	Amusements	66,696	39,403	5,012	22,281	54,672	121,368	76
77A	Health services	371,448	290,825	3,437	77,186	193,538	564,986	77A
77B	Educational and social services, and membership organizations	125,701	116,120	524	9,057	102,633	228,332	77B
78	Federal Government enterprises	46,883	47,839	.....	-956	14,089	60,972	78
79	State and local government enterprises	40,089	27,599	.....	12,490	52,717	92,806	79
82	General government industry	764,389	654,208	.....	110,181	.....	764,389	82
84	Household industry	10,087	.....	.....	.....	.....	10,087	84
85	Inventory valuation adjustment	-7,982	.....	.....	.....	.....	-7,982	85
T	Total	6,233,905	3,645,042	505,591	2,083,272	4,588,742	10,822,647	T