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PRODUCTIVITY AND COSTS First Quarter 1998

The Bureau of Labor Statistics of the U.S. Department of Labor today reported preliminary productivity data--as measured by output per hour of all persons--for the first quarter of 1998. The seasonally-adjusted annual rates of productivity change in the first quarter were:

0.8 percent in the business sector and 0.2 percent in the nonfarm business sector.

These small productivity gains resulted from strong growth in both output and hours of all persons. Output grew at a 5.3 percent annual rate in both sectors. Hours at work increased 4.4 percent in the business sector and 5.0 percent in the nonfarm business sector. First-quarter measures are summarized in table A and appear in detail in tables 1 through 5.

In manufacturing, productivity changes in the first quarter were:

- 0.5 percent in manufacturing,
- 0.4 percent in durable goods manufacturing, and
- 0.6 percent in nondurable goods manufacturing.

Productivity growth in manufacturing in the first quarter of 1998 reflected a slower rate of increase in both output (1.8 percent) and hours of all persons (1.3 percent), at seasonally-adjusted annual rates, than in the fourth quarter of 1997. Output and hours in manufacturing, which includes about 18 percent of U.S. business-sector employment, tend to vary more from quarter to quarter than data for the more aggregate business and nonfarm business sectors

The data sources and methods used in the preparation of the manufacturing series differ from those used in preparing the business and nonfarm business series, and these measures are not directly comparable. Output measures for business and nonfarm business are based on measures of gross domestic product prepared by the Bureau of Economic Analysis of the U.S. Department of Commerce. Quarterly output measures for manufacturing reflect indexes of industrial production independently prepared by the Board of Governors of the Federal Reserve System. See Technical Notes for further information on data sources. Table A. Productivity and costs: Preliminary first-quarter 1998 measures (Seasonally adjusted annual rates)

Real
Hourly
compen-
sationWaith
hourly
compen-
sationUnit
labor
sationSectortivityOutputHoursSationUnit
compen-
sationPercent
changefrom preceding quarterBusiness0.85.34.44.23.73.4Nonfarm business0.25.35.04.13.53.8Manufacturing0.51.81.32.82.32.3Durable0.42.31.91.71.21.3Nondurable0.61.10.44.54.03.9Business2.04.42.34.32.82.2Nonfarm business1.94.42.54.12.62.2Manufacturing4.15.21.13.72.2-0.3Durable6.07.71.63.41.9-2.5Nondurable1.92.30.34.22.72.2

Business

From the fourth quarter of 1997 to the first quarter of 1998, business sector productivity increased at a 0.8 percent annual rate. Output and hours advanced 5.3 percent and 4.4 percent, respectively. During the fourth quarter of 1997, output had increased 4.8 percent, and hours of all persons engaged in the sector increased 3.2 percent (seasonally-adjusted annual rates); productivity rose 1.6 percent (table 1).

Hourly compensation increased 4.2 percent during the first quarter of 1998. This measure includes wages and salaries, supplements, employer contributions to employee benefit plans, and taxes. Unit labor costs, which reflect changes in hourly compensation and productivity, increased at a 3.4 percent rate during the first quarter. This increase in unit labor costs was less than the 3.9 percent rise in the fourth quarter.

Real hourly compensation, which takes into account changes in the Consumer Price Index for All Urban Consumers (CPI-U), rose at a 3.7 percent annual rate in the first quarter. The first-quarter increase in real hourly compensation was the largest recorded since a 5.0 percent rise was posted in the first quarter of 1992.

The implicit price deflator for the business sector, which reflects changes in unit labor costs and unit nonlabor payments, rose just 0.3 percent in the first quarter. In the fourth quarter of 1997, the price of business output increased at an annual rate of 0.9 percent.

Nonfarm business

Productivity edged up 0.2 percent in the nonfarm business sector in the first quarter, as output increased 5.3 percent and hours of all persons went up 5.0 percent. During the fourth quarter of 1997, productivity had risen 1.4 percent in this sector, reflecting gains of 4.9 percent in output and 3.5 percent in hours (table 2). The first-quarter increase in productivity was the smallest since the third quarter of 1996, when output per hour declined 0.7 percent.

Hourly compensation increased at a 4.1 percent annual rate in the first quarter. When the rise in the CPI-U was taken into account, real hourly compensation rose 3.5 percent in the first quarter of 1998; it had increased 3.1 percent in the fourth quarter of 1997. Increases in both quarters were larger than at any time since the first quarter of 1992, when real hourly compensation rose 4.8 percent.

Unit labor costs rose 3.8 percent in the first quarter, the same as in the previous quarter. The implicit price deflator for nonfarm business output rose 0.7 percent in the first quarter, compared with a 1.0 percent rise one quarter earlier. Productivity increased at a 0.5 percent seasonally-adjusted annual rate in manufacturing in the first quarter of 1998, as output rose 1.8 percent and hours of all persons increased 1.3 percent. This was the slowest growth in manufacturing output per hour since it fell during the second and third quarters of 1993. In contrast, productivity increased at a rate of 4.3 percent in the fourth quarter of 1997, output grew 8.2 percent, and hours grew 3.8 percent (table 3). The durable and nondurable subsectors of manufacturing had similar growth rates in productivity in the first quarter, 0.4 and 0.6 percent, respectively. In durable goods manufacturing, output growth slowed to a 2.3 percent annual rate in the first quarter from 10.3 percent one quarter earlier. Hours worked in durable goods industries rose 1.9 percent in the first quarter of 1998. Nondurable goods manufacturing output rose 1.1 percent in the first quarter, and hours edged up 0.4 percent (tables 4 and 5).

Hourly compensation of all manufacturing workers rose 2.8 percent during the first quarter after increasing at a rate of 6.1 percent per year in the fourth quarter of 1997. Real hourly compensation in the manufacturing sector rose 2.3 percent in the first quarter of 1998; it had posted a 4.0 percent gain during the previous quarter.

Unit labor costs in manufacturing grew 2.3 percent in the first quarter of 1998, as unit labor costs of durable goods producers rose 1.3 percent, and those of nondurable goods producers grew at a 3.9 percent annual rate. Unit labor costs in total manufacturing recorded their largest increase since the third quarter of 1993, when they rose 3.6 percent.

Fourth-quarter and annual measures for nonfinancial corporations

Fourth-quarter and annual 1997 measures of productivity and costs also were announced today for the nonfinancial corporate sector (tables B, C, and 6). Output per all-employee hour rose 0.6 percent from the third to the fourth quarter of 1997 as output increased 4.9 percent and employee hours rose 4.3 percent. In the third quarter, productivity had increased 6.3 percent as output jumped 7.8 percent and all-employee hours rose 1.5 percent (seasonally adjusted annual rates). The sector includes all corporations doing business in the United States, except those classified as depository institutions, nondepository institutions, security and commodity brokers, insurance carriers, regulated investment offices, small business investment offices, and real estate investment trusts.

Table B. Nonfinancial corporations: Fourth-quarter 1997 productivity and cost measures (Seasonally adjusted annual rates)

Period	Produc- tivity	Output	Hours	Hourly compen- sation	Real hourly compen- sation	labor	Unit profits	Implicit price deflator
1997 IV 1997 IV		4.9	4.3	from same	2.6 quarter	4.1	-11.0 ago 2.2	0.4

Hourly compensation increased 4.7 percent in the fourth quarter, and real hourly compensation rose 2.6 percent. Unit labor costs increased 4.1 percent in the fourth quarter, the largest increase since the first quarter of 1995 when they rose 5.6 percent. In the third quarter of 1997, unit labor costs had declined 1.9 percent. Total unit costs rose 2.4 during the fourth quarter after having dropped 1.9 percent during the third quarter. In the fourth quarter, unit profits fell 11.0 percent. Unit profits had risen 14.3 percent during the third quarter of 1997. The implicit price deflator for nonfinancial corporate output edged up 0.4 percent in the fourth quarter.

Productivity grew 2.6 percent in nonfinancial corporations in calendar year 1997. In 1996, productivity had grown 3.1 percent. Output grew faster in 1997, 5.7 percent, than it had one year earlier, when it grew 4.5 percent. Hours of employees in nonfinancial corporations grew 2.9 percent during 1997, compared with 1.4 percent one year earlier. Table C. Nonfinancial corporations: Annual changes in productivity and related measures, 1988-1997

Measure	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
Productivity	1.7	-1.4	0.7	1.5	2.6	1.2	2.1	0.8	3.1	2.6
Output	5.3	1.6	1.0	-1.3	3.0	3.4	6.3	3.7	4.5	5.7
Hours	3.5	3.0	0.3	-2.8	0.4	2.2	4.1	2.9	1.4	2.9
Hourly compensation	4.0	2.5	5.2	4.6	4.6	2.1	1.8	2.3	3.5	3.8
Real hourly	-0.2	-2.2	-0.2	0.3	1.5	-0.9	-0.8	-0.5	0.6	1.5
compensation										
Unit labor costs	2.3	3.9	4.4	3.0	2.0	0.9	-0.3	1.5	0.4	1.1
Unit nonlabor costs	2.5	7.3	3.0	3.9	-2.9	-0.6	0.3	-0.2	-1.2	-1.7
Total unit cost	2.3	4.8	4.0	3.2	0.7	0.5	-0.2	1.1	0.0	0.4
Unit profits	8.1	-7.4	-1.5	-0.8	6.5	13.3	18.7	4.7	10.0	3.5
Implicit price	2.9	3.5	3.5	2.9	1.2	1.7	1.8	1.5	1.2	0.8
deflator										

The 1997 increase in hourly compensation was 3.8 percent, about the same as the 3.5 percent increase in 1996. Real hourly compensation rose 1.5 percent in 1997. It had increased 0.6 percent in 1996, after having fallen in the three previous years.

Total unit costs rose 0.4 percent in 1997, reflecting an increase of 1.1 percent in unit labor costs and a 1.7 percent drop in unit nonlabor costs. Unit profits for the year rose 3.5 percent; in 1996, they had posted a 10.0 percent gain.

REVISED MEASURES

Current and previous measures for the fourth quarter of 1997 for the business, nonfarm business, and manufacturing sectors are compared in table D. Some of the quarterly movements differ slightly from those reported on March 10, based on information then available.

Table D. Previous and revised productivity and related measures Quarterly percent change at seasonally adjusted annual rate

Sector	Produc- tivity	Output	Hours	Hourly compen- sation	Real hourly compen- sation	Unit labor costs
		Fourth	quarter	1997		
Business:						
Previous	1.8	5.0	3.2	5.5	3.4	3.7
Current	1.6	4.8	3.2	5.6	3.4	3.9
Nonfarm business:						
Previous	1.6	5.1	3.5	5.2	3.1	3.5
Current	1.4	4.9	3.5	5.2	3.1	3.8
Manufacturing:						
Previous	4.3	8.2	3.8	6.1	3.9	1.8
Current	4.3	8.2	3.8	6.1	4.0	1.8

Bureau of Labor Statistics measures of output for the manufacturing sectors have been revised back to 1949. These revisions reflect revised price deflators estimated by the Bureau of Economic Analysis of the U.S. Department of Commerce. The revisions also reflect revised shipments data from the Bureau of the Census of the Commerce Department for the years 1988 to 1992. Appendix tables 1 to 3 show the annual indexes of productivity and costs for the total, durable, and nondurable manufacturing sectors, respectively, for the years 1949-1997. The measures of manufacturing output used in the production of quarterly labor productivity and costs measures presented in this release are consistent with annual manufacturing output data released May 6, 1998, in "Multifactor Productivity Trends, 1995 and 1996" (USDL 98-187).

Next release date

The next release of Productivity and Costs is scheduled for 10:00 AM EDT, Thursday, June 4, 1998. First-quarter measures for nonfinancial corporations and revised measures for business, nonfarm business, and manufacturing will be released at that time.

TECHNICAL NOTES

Labor Hours: The primary source of hours and employment data is the BLS Current Employment Statistics (CES) program, which provides monthly survey data on total employment and average weekly paid hours of production and nonsupervisory workers in nonagricultural establishments. Jobs rather than persons are counted. Weekly paid hours are adjusted to hours at work using the BLS Hours at Work survey, conducted for this purpose.

Data from the BLS Current Population Survey (CPS) are used for farm labor; in the nonfarm sector, the National Income and Product Accounts (NIPA) prepared by the Bureau of Economic Analysis (BEA) of the Department of Commerce and the CPS are used to measure labor input for government enterprises, proprietors, and unpaid family workers.

Output: Business sector output is an annual-weighted index constructed after excluding from gross domestic product (GDP) the following outputs: General government, nonprofit institutions, paid employees of private households, and the rental value of owner-occupied dwellings. Corresponding exclusions also are made in labor inputs. Business output accounted for about 76 percent of the value of GDP in 1992. Nonfarm business, which also excludes farming, accounted for about 75 percent of GDP in 1992.

Annual manufacturing indexes are constructed by deflating current-dollar industry value of production data from the U.S. Bureau of the Census with deflators from the BEA. These deflators are based on data from the BLS producer price program and other sources. The industry shipments are aggregated using annual weights, and intrasector transactions are removed. Quarterly manufacturing output measures are based on the index of industrial production prepared monthly by the Board of Governors of the Federal Reserve System adjusted to be consistent with annual indexes of manufacturing sector output prepared by BLS. Durables include the following 2-digit SIC industries: Primary metal industries; fabricated metal products; nonelectrical machinery; industrial and commercial machinery and computer equipment; electronic and other electrical equipment; transportation equipment; instruments; lumber and lumber products; furniture and fixtures; stone, clay, and glass and concrete products; and miscellaneous manufactures. Nondurables include: Food and kindred products, tobacco products, textile mill products, apparel products, paper and allied products, printing and publishing, chemicals and chemical products, petroleum refining and related industries, rubber and plastic products, and leather and leather products.

Nonfinancial corporate output is an annual-weighted index constructed by excluding from GDP the following outputs: General government; nonprofit institutions; employees of private households; the rental value of owner-occupied dwellings; unincorporated business; and those corporations which are depository institutions, nondepository institutions, security and commodity brokers, insurance carriers, regulated investment offices, small business investment offices, and real estate investment trusts. Nonfinancial corporations accounted for about 52 percent of the value of GDP in 1992.

Productivity: These productivity measures describe the relationship between real output and the labor time involved in its production. They show the changes from period to period in the amount of goods and services produced per hour. Although these measures relate output to hours at work of all persons engaged in a sector, they do not measure the specific contribution of labor, capital, or any other factor of production. Rather, they reflect the joint effects of many influences, including changes in technology; capital investment; level of output; utilization of capacity, energy, and materials; the organization of production; managerial skill; and the characteristics and effort of the work force.

Information in this release will be made available to sensory-impaired individuals upon request. Voice phone: 202-606-STAT; TDD phone: 202-606-5897; TDD message referral phone number: 1-800-326-2577.

Table 1. Business sector: Productivity, hourly compensation, unit labor costs, and prices, seasonally adjusted

an	d arter	Output per hour of all persons	Output	of all persons	hour (1)	tion per hour (2)	labor costs	ments (3)	price deflator (4
					xes 1992=100				
L996	I		111.4	109.2	109.3	98.9	107.2	110.5	108.4
	II		113.2	110.1	110.8	99.3	107.8		108.9
	III		113.5		111.8	99.6	108.9		109.6
	IV	103.1	115.0	111.5	112.7	99.6	109.3	111.3	110.0
	ANNUAL	102.6	113.3	110.4	111.1	99.3	108.3	110.9	109.2
L997	I		116.6	112.7	113.8	100.1	110.0		110.6
	II		117.8	113.1	114.7	100.5	110.2	112.4	111.0
	III		118.8	113.1	115.9	101.1	110.4	112.9	111.3
	IV	r105.4	r120.2	114.0	117.5	101.9	r111.5	r111.6	111.5
	ANNUAL	104.5	r118.3	113.3	115.4	100.9	110.5	r112.1	111.1
L998	I	105.6		115.3				110.2	
						at annual r			
L996	I	3.1	2.8	-0.3	3.7	0.6	0.7	5.1	2.3
	II		6.6	3.4	5.5	1.7	2.3		2.1
	III	-0.7	0.9	1.6	3.6	1.2	4.4	-1.1	2.4
	IV	2.0	5.4	3.3	3.4	0.0	1.4	2.2	1.7
	ANNUAL	2.0	3.5	1.4	3.9	0.9	1.8	2.0	1.9
L997	I		5.9	4.2		1.9	2.5		2.0
	II		3.9	1.6		1.8	0.9	2.7	1.5
	III	3.5	3.6	0.1	4.2	2.2	0.7	1.8	1.1
	IV	r1.6	r4.8	3.2	r5.6	3.4	r3.9	r-4.3	0.9
	ANNUAL	r1.8	4.5	2.6	3.9	1.6	2.0	r1.1	1.7
	I	0.8							0.3
						rter of prev			
L996	I		2.5	0.6	3.5	0.7		2.0	1.7
	II		4.2	1.7		1.1	1.5		1.8
	III	2.0	3.3			1.2	2.1		2.0
	IV	1.8	3.9	2.0	4.0	0.9	2.2	2.0	2.1
	ANNUAL	2.0	3.5	1.4	3.9	0.9	1.8	2.0	1.9
L997	I				4.1				
	II		4.0	2.7		1.2	2.3		1.9
	III		4.7		3.7	1.5	1.3		1.6
	IV	r2.2	r4.5	2.3	r4.3	2.3	r2.0	r0.3	1.4
	ANNUAL	r1.8	4.5	2.6	3.9	1.6	2.0	r1.1	1.7
L998	I	2.0	4.4	2.3	4.3	2.8	2.2	-1.2	1.0

See footnotes following Table 6.

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Source: Bureau of Labor Statistics

r=revised

Table 2. Nonfarm business sector: and prices, seasonally adjusted

Table 2. Nonfarm business sector: Productivity, hourly compensation, unit labor costs,

Ye an qu	d arter	Output per hour of all persons	Output	of all persons	hour (1)	tion per hour (2)	labor costs		price deflator (4
					xes 1992=100				
L996	I	102.1	111.7	109.4	109.1	98.7	106.9	111.0	108.4
	II	102.8	113.5	110.4	110.5	99.1	107.5	111.3	108.8
	III	102.6	113.8	110.9	111.4	99.3			109.4
	IV	103.1	115.3	111.9	112.3	99.3	109.0	111.4	109.8
	ANNUAL	102.6	113.6	110.7	110.8	99.1	108.0	111.2	109.1
L997	I	103.4	116.9	113.1	113.5	99.8	109.8		110.5
	II	104.0	118.0	113.5	114.4	100.2	110.0		110.9
	III	104.9	119.1	113.5	115.5	100.7	110.1	113.2	111.2
	IV	105.3	r120.5	114.5	117.0	101.4	r111.1	r112.1	111.5
	ANNUAL	104.3	r118.6	113.7	115.0	100.6	r110.3	r112.3	111.0
L998	I	105.3	122.1			102.3			111.7
						at annual r			
L996	I	2.8	2.6	-0.3	3.9	0.7	1.0	4.6	2.3
	II	2.9	6.8	3.8	5.1	1.3	2.2		1.7
	III	-0.7	1.0	1.7	3.3	0.8	4.0	-1.4	2.0
	IV	1.9	5.4	3.5	3.4	0.0	1.5	2.0	1.7
	ANNUAL	1.9	3.5	1.6	3.8	0.8	1.9	1.4	1.7
L997	I		5.6	4.5		2.0	3.1	1.1	2.4
	II	2.3	3.8	1.5	3.2	1.8	0.9	2.3	1.4
	III	3.6	3.7	0.1	3.8	1.8	0.2		1.2
	IV	r1.4	r4.9	3.5	5.2	3.1	r3.8	r-3.9	1.0
	ANNUAL	1.7	4.5	2.7	3.8	1.5	2.1	1.1	1.7
L998	I	0.2			4.1			-4.7	
						rter of prev			
L996	I		2.6	0.7	3.5	0.6	1.6	1.3	1.5
	II	2.3	4.2			1.0	1.6		1.6
	III	1.8	3.3			1.0	2.1		1.7
	IV	1.7	3.9	2.2	3.9	0.7	2.2	1.5	1.9
	ANNUAL	1.9	3.5	1.6	3.8	0.8	1.9	1.4	1.7
L997	I		4.7	3.4	4.0	1.1	2.7		1.9
	II	1.1	4.0	2.8	3.5	1.2	2.4		1.9
	III	2.2	4.7	2.4		1.4	1.4		1.7
	IV	2.1	r4.5	2.4	4.1	2.2	r2.0	r0.6	1.5
	ANNUAL	1.7	4.5	2.7	3.8	1.5	2.1	1.1	1.7
998	I	1.9	4.4	2.5	4.1	2.6	2.2	-0.9	1.1

See footnotes following Table 6. r=revised

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seasonally adjusted Real Year Output per Hours Compensa- compensa-and hour of of all tion per tion per labor quarter all persons Output persons hour (1) hour (2) costs Indexes 1992=100 r112.7r115.8102.7110.8100.2r114.1r118.3103.7112.0100.4r115.8r119.9103.6112.9100.6r116.9r121.2103.7113.5100.3 I 1996 r98.3 r98.2 II r97.5 r97.1 III τv ANNUAL. r114.7 r118.8 103.6 112.1 100.3 r97.8 104.4114.7100.8104.7115.4101.1104.3116.4101.5105.2118.1102.5 I r117.8 r123.0 1997 r97.3 r123.3 r124.5 r126.4 r128.9 II r118.9 r97.1 r96.0 r121.2 r122.5 III IV r96.5 ANNUAL r120.0 r125.7 104.7 116.1 101.5 r96.7 122.6 1998 129.4 105.6 119.0 Т 103.1 97.0 _____ Percent change from previous quarter at annual rate(5) I
 r5.5
 12.0

 r5.0
 r9.0

 r5.9
 r5.4

 r3.9
 r4.5
1996 r5.5 r2.6 -2.7 -0.7 2.4 r-2.9 3.8 4.7 -0.4 3.1 0.6 1.9 0.9 r-0.4 ΤI 0.7 r-2.6 r-1.9 III IV -1.4 ANNUAL r4.7 r4.2 -0.5 0.2 3.2 r-1.4 2.8 4.4 1.1 2.6 -1.7 3.4

 3.3
 6.2

 3.8
 4.9

 8.0
 6.1

 4.3
 8.2

I 1997 2.2 1.0 ΤТ 1.3 -1.1 3.4 6.1 III 1.5 -4.2 3.8 1.8 r4.0 τv r4.6 r5.8 r-1.1 ANNUAL 1.1 3.5 1.2 I 1998 0.5 1.8 1.3 2.8 2.3 2.3 _____ Percent change from corresponding quarter of previous year 1996 I r4.7 r2.2 -2.4 3.3 0.5 r-1.3 0.7 r4.6 r4.3 r4.7 -0.3 3.5 3.4 3.0 r-1.0 r-1.4 ΤТ III r4.8 0.0 0.4 r5.4 0.3 r5.1 -0.1 r-1.9 IV ANNUAL r4.7 r4.2 -0.5 3.2 0.2 r-1.4 3.5 3.0 3.1 1997 I r4.5 r6.3 1.7 0.6 r-1.0 r5.3 r5.4 6.3 1.0 0.7 1.4 0.7 r-1.1 r4.2 IΙ 4.7 4.8 3.1 4.1 III 0.9 r-1.6 r-0.6 IV 2.2 r4.6 r5.8 1.2 ANNUAL 1.1 3.5 r-1.1 1998 I 4.1 5.2 1.1 3.7 2.2 -0.3 _____

Table 3. Manufacturing sector: Productivity, hourly compensation, and unit labor costs,

See footnotes following Table 6.

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r=revised

	Year and quarter	Output per hour of all persons		of all persons		tion per hour (2)	labor costs
				ndexes 1992=1			
996	I	r119.9	r126.8	105.7	109.7	99.2	r91.
	II	r122.1	r131.1	107.3	111.0	99.5	r90.
	III	r124.2	r133.2	107.3	111.7	99.5	r89.
	IV	r125.3	r134.6	107.5	111.8	98.8	r89.3
	ANNUAL	r122.7	r131.4	107.1	110.9	99.1	r90.
997	I	r126.5	r137.7	108.8	113.1	99.4	r89.
	II	r128.5	r140.4	109.3	113.7	99.6	r88.
	III	r131.9	r143.8	109.1	114.4	99.7	r86.
	IV	r134.0	r147.4	110.0	116.5	101.0	r86.
	ANNUAL	r130.1	r142.3	109.4	114.3	99.9	r87.
998	I			110.5	117.0	101.3	87.2
		Percent cha			er at annual ra		
996	I	r8.1	r5.9	-2.1	1.4	-1.7	r-6.
	II	r7.5	r14.2	6.2	4.7	0.9	r-2.
	III	r6.9	r6.8	-0.1	2.6	0.2	r-4.
	IV	r3.5	r4.3	0.7	0.5	-2.8	r-2.
	ANNUAL	r6.3	r7.1	0.8	2.4	-0.5	r-3.
997	I	4.1	9.4	5.1	4.8	2.5	0.
	II	6.2	8.1	1.8	2.1	0.7	-3.
	III	11.0	10.2	-0.8	2.4	0.4	-7.
	IV	r6.7	r10.3	3.4	r7.6	r5.4	r0.
	ANNUAL	r6.0	r8.3	2.2	3.1	0.8	r-2.
998	I	0.4	2.3	1.9	1.7	1.2	1.
		Percent change	from corres	ponding quar	ter of previous	year	
996	I	r6.0	r4.8	-1.1	2.4	-0.3	r-3.
	II	r6.7	r8.0	1.3	2.9	0.0	r-3.
	III	r6.7	r8.0	1.2	2.7	-0.3	r-3.
	IV	r6.5	r7.7	1.1	2.3	-0.8	r-3.
	ANNUAL	r6.3	r7.1	0.8	2.4	-0.5	r-3.
997	I	r5.5	r8.6	2.9	3.1	0.2	r-2.
	II	r5.2	r7.1	1.9	2.5	0.1	r-2.
	III	r6.2	r8.0	1.7	2.4	0.2	r-3.
	IV	r7.0	r9.5	2.4	4.2	2.2	-2.
	ANNUAL	r6.0	r8.3	2.2	3.1	0.8	r-2.
.998	I	6.0	7.7	1.6	3.4	1.9	-2.

Table 4. Durable manufacturing sector: Productivity, hourly compensation, and unit labor costs,

See footnotes following Table 6. r=revised

Table 5. Nondurable manufacturing sector: seasonally adjusted

Table 5. Nondurable manufacturing sector: Productivity, hourly compensation, and unit labor costs,

	Year and quarter		Output	Hours of all persons	Compensa- tion per hour (1)	Real compensa- tion per hour (2)	Unit labor costs
				ndexes 1992=1	00		
996	I	r105.8	r104.5	98.8	111.8	101.1	r105.
	II	r106.5	r105.3	98.9	112.9	101.2	r106.
	III	r107.7	r106.3	98.6	114.1	101.6	r105.
	IV	r108.9	r107.5	98.7	115.3	101.9	r105.
	ANNUAL	r107.1	r105.9	98.9	113.4	101.4	r105.
997	I	r109.7	r108.2	98.6	116.2	102.2	r106
	II	r110.0	r108.5	98.6	117.2	102.7	r106
	III	r111.3	r108.9	97.8	118.7	103.4	r106
	IV	r111.6	r110.3	98.8	119.8	103.9	r107
	ANNUAL	r110.6	r109.0	98.5	117.9	103.0	r106
998	I	111.8	110.6	98.9	121.1	104.9	108
		Percent cha			er at annual ra		
996	I	2.5	-1.2	-3.6	4.0	0.8	1
	II	2.6	3.1	0.4	4.1	0.4	1
	III	4.8	3.8	-0.9	4.0	1.5	- 0
	IV	4.3	4.6	0.3	4.3	1.0	0
	ANNUAL	2.8	r0.6	-2.2	4.1	1.1	1
997	I	3.0	2.5	-0.5	3.3	1.1	0
	II	1.1	1.2	0.1	3.4	2.0	2
	III	4.8	1.5	-3.1	5.0	3.0	0
	IV	r1.2	r5.5	4.2	r3.8	1.7	r2
	ANNUAL	3.2	2.9	-0.3	4.0	1.6	0
998	I	0.6	1.1	0.4	4.5	4.0	3
					ter of previous	year	
996	I	r3.2	r-1.0	-4.1	4.5	1.6	rl
	II	r2.4	r-0.1	-2.5	4.3	1.4	1
	III	2.7	0.8	-1.8	4.2	1.2	1
	IV	3.5	2.5	-1.0	4.1	0.9	0
	ANNUAL	2.8	r0.6	-2.2	4.1	1.1	1
997	I	3.7	3.5	-0.2	3.9	1.0	0
	II	3.3	3.0	-0.3	3.8	1.4	0
	III	3.3	2.4	-0.8	4.0	1.8	0
	IV	r2.5	r2.6	0.1	3.9	2.0	1
	ANNUAL	3.2	2.9	-0.3	4.0	1.6	0
998	I	1.9	2.3	0.3	4.2	2.7	2

r=revised

Table 6. Nonfinancial corporations: Productivity, hourly compensation, unit labor costs, unit profits, and prices, seasonally adjusted

a	ear nd uarter	Output per all- employee hour	Output	Employee hours	(1)	Real hourly compen- sation(2)	Unit labor costs	Unit non- labor costs(6)	Total unit costs (7)	Unit pro- fits (8)	Implicit price deflator (4)
					Indexes	1992=100					
1995	I	102.9	112.3	109.2	105.1	97.7	102.2	99.8	101.6	135.2	104.0
	II	103.4	112.9	109.2	105.9	97.6	102.4	100.1	101.8	134.9	104.8
	III	104.7	114.9	109.7	106.6	97.8	101.9	99.0	101.1	145.5	105.1
	IV	105.4	115.9	110.0	107.5	98.0	102.0	99.1	101.2	147.3	105.4
	ANNUAL	104.1	114.0	109.5	106.3	97.9	102.1	99.5	101.4	140.8	105.0
1996	I	106.0	116.5	109.9	108.3	98.0	102.1	99.2	101.4	152.5	
	II	107.1	118.7	110.8	109.7	98.3	102.4	98.4	101.4	154.7	
	III	107.8	120.0	111.3	110.7	98.6	102.7	98.1	101.5	156.0	
	IV	108.3	121.5	112.1	111.5	98.6	102.9	97.4	101.5	156.4	106.5
	ANNUAL	107.3	119.2	111.0	110.1	98.4	102.6	98.3	101.4	154.9	106.3
1997	I	108.8	123.3	113.3	112.6	99.0	103.5	97.0	101.8	157.9	
	II	109.4	124.7	114.0	113.5	99.4	103.7	97.1	102.0	159.1	
	III	111.1	127.1	114.4	114.7	100.0	103.2	96.6	101.5	164.5	
	IV	111.3	128.6	115.6	116.0	100.6	104.3	95.9	102.1	159.8	107.3
	ANNUAL	110.2	125.9	114.3	114.2	99.9	103.7	96.6	101.9	160.3	107.2
			Perc	ent change	e from pre	vious quarte	er at ann	ual rate(5)		
1995	I	-3.3	0.0	3.4	2.1	-0.5	5.6	2.8	4.9	-18.1	1.8
	II	2.0	2.0	0.0	3.0	-0.3	1.0	1.0	1.0	-0.8	0.8
	III	5.2	7.2	1.9	2.9	0.7	-2.2	-4.2	-2.7	35.4	1.3
	IV	2.8	3.8	1.0	3.3	0.8	0.4	0.4	0.4	4.9	1.0
	ANNUAL	0.8	3.7	2.9	2.3	-0.5	1.5	-0.2	1.1	4.7	1.5
1996	I	2.4	2.0	-0.3	3.1	-0.1	0.7	0.6	0.7	15.0	
	II	4.1	7.6	3.4	5.1	1.4	1.1	-3.1	0.0	5.8	
	III	2.7	4.3	1.6	3.8	1.4	1.1	-1.4	0.5	3.5	
	IV	2.1	5.2	3.1	3.0	-0.3	0.9	-2.8	0.0	1.0	0.1
	ANNUAL	3.1	4.5	1.4	3.5	0.6	0.4	-1.2	0.0	10.0	1.2
1997	I	1.7	6.1	4.3	4.0	1.8	2.3	-1.8	1.3	3.8	1.6
	II	2.4	4.7	2.3	3.2	1.8	0.8	0.5	0.7	3.2	1.1
	III	6.3	7.8	1.5	4.3	2.3	-1.9	-1.9	-1.9	14.3	0.2
	IV	0.6	4.9	4.3	4.7	2.6	4.1	-2.9	2.4	-11.0	0.4
	ANNUAL	2.6	5.7	2.9	3.8	1.5	1.1	-1.7	0.4	3.5	0.8
						ponding qua					
1995	I	-0.7	3.9	4.7	1.4	-1.4	2.2	-1.7	1.2	6.6	1.8
	II		3.5		2.1						1.7
	III	1.5			2.5	-0.1	1.0			6.7	
	IV	1.6	4.3 3.2	1.6	2.5 2.8	0.2			0.6 0.9	3.6	
	ANNUAL	0.8	3.7	2.9	2.3	-0.5	1.5	-0.2	1.1	4.7	1.5
1996	I	3.1	3.7	0.6	3.1	0.3	0.0	-0.6	-0.2	12.8	1.4
	II		5.1	1.5	3.6	0.7	0.0	-1.6	-0.4		
	III	3.0	4.4	1.4	3.8	0.9	0.8	-0.9	0.4		
	IV	2.8	4.8	1.9	3.8	0.6	1.0	-1.7	0.3	6.2	1.0
	ANNUAL	3.1	4.5	1.4	3.5	0.6	0.4	-1.2	0.0	10.0	1.2
1997			5.8		4.0	1.0	1.3	-2.3			
	II		5.1		3.5	1.2	1.3				
	III				3.6	1.4					
	IV	2.7	5.9	3.1	4.0	2.1	1.3	-1.5	0.6	2.2	0.8
	ANNUAL	2.6	5.7	2.9	3.8	1.5	1.1	-1.7	0.4	3.5	0.8

Appendix table 1. Manufacturing sector: Productivity, hourly compensation, and unit labor costs, Indexes 1992=100 - 7

1 persons 33.2 33.8 33.4 34.7 35.8 36.7 38.3 38.1 38.9 39.4 40.2 40.9 42.2 43.3 45.1 47.0 48.0 48.5 50.5 52.3	Output 26.3 28.9 30.8 32.4 35.2 32.9 36.3 36.6 36.8 34.2 37.2 37.7 37.9 40.5 42.6 45.4 49.0	persons 79.2 85.6 92.2 93.4 98.2 89.7 94.7 96.1 94.6 86.7 92.6 92.2 89.8 93.5 94.5 96.5	hour (1) 8.3 8.7 9.6 10.2 10.8 11.3 11.7 12.4 13.2 13.8 14.3 14.9 15.3 15.9 16.4 17.1	hour (2) 48.8 50.6 51.7 54.0 56.6 58.7 61.2 64.2 65.8 67.0 69.0 70.6 72.0 74.0 75.2	cos 24 25 28 29 30 30 30 32 33 35 35 35 36 36 36 36 36 36 36 36
33.8 33.4 34.7 35.8 36.7 38.3 38.1 38.9 39.4 40.2 40.9 42.2 43.3 45.1 47.0 48.0 48.5 50.5	28.9 30.8 32.4 35.2 32.9 36.3 36.6 36.8 34.2 37.2 37.7 37.9 40.5 42.6 45.4 49.0	85.6 92.2 93.4 98.2 89.7 94.7 96.1 94.6 86.7 92.6 92.2 89.8 93.5 94.5 96.5	8.7 9.6 10.2 10.8 11.3 11.7 12.4 13.2 13.8 14.3 14.9 15.3 15.9 16.4	50.6 51.7 54.0 56.6 58.7 61.2 64.2 65.8 67.0 69.0 70.6 72.0 74.0	25 28 29 30 30 32 33 35 35 35 36 36 36
33.4 34.7 35.8 36.7 38.3 38.1 38.9 39.4 40.2 40.9 42.2 43.3 45.1 47.0 48.0 48.5 50.5	30.8 32.4 35.2 32.9 36.3 36.6 36.8 34.2 37.2 37.7 37.9 40.5 42.6 45.4 49.0	92.2 93.4 98.2 89.7 94.7 96.1 94.6 86.7 92.6 92.2 89.8 93.5 94.5 96.5	9.6 10.2 10.8 11.3 11.7 12.4 13.2 13.8 14.3 14.9 15.3 15.9 16.4	51.7 54.0 56.6 58.7 61.2 64.2 65.8 67.0 69.0 70.6 72.0 74.0	28 29 30 30 32 33 35 35 35 36 36 36
34.7 35.8 36.7 38.3 38.1 38.9 39.4 40.2 40.2 40.9 42.2 43.3 45.1 47.0 48.0 48.5 50.5	32.4 35.2 32.9 36.3 36.6 36.8 34.2 37.2 37.7 37.9 40.5 42.6 45.4 49.0	93.4 98.2 89.7 94.7 96.1 94.6 86.7 92.6 92.2 89.8 93.5 94.5 96.5	10.2 10.8 11.3 11.7 12.4 13.2 13.8 14.3 14.9 15.3 15.9 16.4	54.0 56.6 58.7 61.2 64.2 65.8 67.0 69.0 70.6 72.0 74.0	29 30 30 32 33 35 35 36 36 36
35.8 36.7 38.3 38.1 38.9 39.4 40.2 40.9 42.2 43.3 45.1 47.0 48.0 48.5 50.5	35.2 32.9 36.3 36.6 36.8 34.2 37.2 37.7 37.9 40.5 42.6 45.4 49.0	98.2 89.7 94.7 96.1 94.6 86.7 92.6 92.2 89.8 93.5 94.5 96.5	10.8 11.3 11.7 12.4 13.2 13.8 14.3 14.9 15.3 15.9 16.4	56.6 58.7 61.2 64.2 65.8 67.0 69.0 70.6 72.0 74.0	30 30 32 33 35 35 35 36 36 36
35.8 36.7 38.3 38.1 38.9 39.4 40.2 40.9 42.2 43.3 45.1 47.0 48.0 48.5 50.5	35.2 32.9 36.3 36.6 36.8 34.2 37.2 37.7 37.9 40.5 42.6 45.4 49.0	98.2 89.7 94.7 96.1 94.6 86.7 92.6 92.2 89.8 93.5 94.5 96.5	10.8 11.3 11.7 12.4 13.2 13.8 14.3 14.9 15.3 15.9 16.4	56.6 58.7 61.2 64.2 65.8 67.0 69.0 70.6 72.0 74.0	30 30 32 33 35 35 35 36 36 36
36.7 38.3 38.1 38.9 39.4 40.2 40.9 42.2 43.3 45.1 47.0 48.0 48.5 50.5	32.9 36.3 36.6 34.2 37.2 37.7 37.9 40.5 42.6 45.4 49.0	89.7 94.7 96.1 94.6 86.7 92.6 92.2 89.8 93.5 94.5 96.5	11.3 11.7 12.4 13.2 13.8 14.3 14.9 15.3 15.9 16.4	58.7 61.2 64.2 65.8 67.0 69.0 70.6 72.0 74.0	30 32 33 35 35 36 36 36 36
38.1 38.9 39.4 40.2 40.9 42.2 43.3 45.1 47.0 48.0 48.5 50.5	36.6 36.8 34.2 37.2 37.7 37.9 40.5 42.6 45.4 45.4	96.1 94.6 86.7 92.6 92.2 89.8 93.5 94.5 96.5	12.4 13.2 13.8 14.3 14.9 15.3 15.9 16.4	64.2 65.8 67.0 69.0 70.6 72.0 74.0	32 33 35 35 36 36 36 36
38.1 38.9 39.4 40.2 40.9 42.2 43.3 45.1 47.0 48.0 48.5 50.5	36.6 36.8 34.2 37.2 37.7 37.9 40.5 42.6 45.4 45.4	96.1 94.6 86.7 92.6 92.2 89.8 93.5 94.5 96.5	12.4 13.2 13.8 14.3 14.9 15.3 15.9 16.4	64.2 65.8 67.0 69.0 70.6 72.0 74.0	32 33 35 35 36 36 36
38.9 39.4 40.2 40.9 42.2 43.3 45.1 47.0 48.0 48.5 50.5	36.8 34.2 37.2 37.7 37.9 40.5 42.6 45.4 45.4	94.6 86.7 92.6 92.2 89.8 93.5 94.5 96.5	13.2 13.8 14.3 14.9 15.3 15.9 16.4	65.8 67.0 69.0 70.6 72.0 74.0	33 35 35 36 36 36
39.4 40.9 42.2 43.3 45.1 47.0 48.0 48.5 50.5	34.2 37.2 37.9 40.5 42.6 45.4 49.0	86.7 92.6 92.2 89.8 93.5 94.5 96.5	13.8 14.3 14.9 15.3 15.9 16.4	67.0 69.0 70.6 72.0 74.0	35 35 36 36 36
40.2 40.9 42.2 43.3 45.1 47.0 48.0 48.5 50.5	37.2 37.7 37.9 40.5 42.6 45.4 49.0	92.6 92.2 89.8 93.5 94.5 96.5	14.3 14.9 15.3 15.9 16.4	69.0 70.6 72.0 74.0	35 36 36 36
42.2 43.3 45.1 47.0 48.0 48.5 50.5	37.9 40.5 42.6 45.4 49.0	89.8 93.5 94.5 96.5	15.3 15.9 16.4	72.0 74.0	36 36
42.2 43.3 45.1 47.0 48.0 48.5 50.5	37.9 40.5 42.6 45.4 49.0	89.8 93.5 94.5 96.5	15.3 15.9 16.4	72.0 74.0	36 36
43.3 45.1 47.0 48.0 48.5 50.5	40.5 42.6 45.4 49.0	93.5 94.5 96.5	15.9 16.4	74.0	36
45.1 47.0 48.0 48.5 50.5	42.6 45.4 49.0	94.5 96.5	16.4		
47.0 48.0 48.5 50.5	45.4 49.0	96.5		75.2	20
48.0 48.5 50.5	49.0		17.1		36
48.5 50.5			± / • ±	77.3	36
50.5	F0 0	102.1	17.5	77.7	36
	52.8	108.7	18.2	79.0	37
	54.6	108.1	19.2	80.8	38
	57.3	109.7	20.7	83.4	39
53.0	58.8	111.0	22.2	85.0	41
54.7	57.1	104.5	23.8	86.1	43
58.3	58.6	100.6	25.3	87.5	43
60.5	63.6	105.2	26.6	89.2	44
62.1	68.7	110.5	28.6	90.5	46
62.8	67.9	108.1	31.8	90.5	50
64.7	63.0	97.3	35.6	93.0	55
67.3	68.7	102.0	38.6	95.2	57
69.7	74.0	106.2	42.0	97.2	60
70.5	78.0	110.7	45.4	97.6	64
70.1	79.1	112.8	49.8	96.2	71
70.4	75.8	107.6	55.8	94.9	79
71.4	76.4	107.1	61.3	94.6	85
75.2	73.7	98.0	67.2	97.7	89
77.9	77.1	99.0	69.0	97.2	88
80.2	84.5	105.4	71.4	96.4	89
83.2	87 1	104 7	75 3	98 1	90
					90
					90
					92
90.8	97.4	107.2	86.8	98.2	95
93.0	97.5	104.9	91.0	97.6	97
94.9	95.4	100.6	95.7	98.6	100
100.0	100.0	100.0	100.0	100.0	100
102.0	103.4	101.4	102.9	99.9	100
105.2	109.1	103.8	105.6	100.0	100
109.6	114.1	104.1	108.7	100.1	99
					97
120.0	125.7	104.7	116.1	101.5	96
	83.2 86.9 89.2 90.7 90.8 93.0 94.9 100.0 102.0 105.2 109.6 114.7 120.0	83.2 87.1 86.9 89.6 89.2 92.7 90.7 96.9 90.8 97.4 93.0 97.5 94.9 95.4 100.0 100.0 102.0 103.4 105.2 109.1 109.6 114.1 114.7 118.8	83.2 87.1 104.7 86.9 89.6 103.1 89.2 92.7 103.9 90.7 96.9 106.8 90.8 97.4 107.2 93.0 97.5 104.9 94.9 95.4 100.6 100.0 100.0 100.0 102.0 103.4 101.4 105.2 109.1 103.8 109.6 114.1 104.1 114.7 118.8 103.6 120.0 125.7 104.7	83.2 87.1 104.7 75.3 86.9 89.6 103.1 78.6 89.2 92.7 103.9 80.8 90.7 96.9 106.8 84.0 90.8 97.4 107.2 86.8 93.0 97.5 104.9 91.0 94.9 95.4 100.6 95.7 100.0 100.0 100.0 100.0 102.0 103.4 101.4 102.9 105.2 109.1 103.8 105.6 109.6 114.1 104.1 108.7 114.7 118.8 103.6 112.1 120.0 125.7 104.7 116.1	83.2 87.1 104.7 75.3 98.1 86.9 89.6 103.1 78.6 100.6 89.2 92.7 103.9 80.8 99.8 90.7 96.9 106.8 84.0 99.6 90.8 97.4 107.2 86.8 98.2 93.0 97.5 104.9 91.0 97.6 94.9 95.4 100.6 95.7 98.6 100.0 100.0 100.0 100.0 102.0 103.4 101.4 102.9 99.9 105.2 109.1 103.8 105.6 100.0 109.6 114.1 104.1 108.7 100.1 114.7 118.8 103.6 112.1 100.3 120.0 125.7 104.7 116.1 101.5

Appendix table 2. Durable manufacturing sector: Productivity, hourly compensation, and unit labor costs, Indexes 1992=100

ndexes 1992=100)				_	
				~	Real	• •
	Output per		Hours	Compensa-	compensa-	Unit
	hour of		of all	tion per	tion per	labor
Year	all persons	Output	persons	hour (1)	hour (2)	costs
1949	31.5	22.7	72.1	8.1	47.8	25.7
1950	33.4	26.8	80.4	8.5	49.7	25.6
1951	32.0	29.0	90.7	9.5	51.0	29.6
1952	33.5	31.2	93.0	10.2	53.8	30.3
1953	35.4	35.5	100.1	10.7	56.3	30.2
1954	35.4	31.4	88.5	11.2	58.5	31.6
1955	37.4	35.3	94.6	11.7	61.3	31.4
1956	35.7	34.5	96.8	12.5	64.2	34.9
1957	36.2	34.5	95.5	13.2	65.9	36.5
1958	35.8	30.2	84.4	13.9	67.7	38.9
1958	36.9	33.8	91.6	14.4	69.6	39.2
1960	37.0	33.8	91.4	15.0	71.2	40.6
1961	38.0	33.4	87.9	15.5	72.5	40.6
1962	39.6	36.8	92.8	16.1	74.7	40.6
1963	41.7	39.4	94.5	16.5	75.8	39.6
1964	43.4	42.2	97.2	17.2	77.8	39.6
1965	45.2	47.1	104.3	17.5	78.0	38.7
1966	46.0	52.1	113.3	18.3	78.8	39.7
		53.5		19.2	80.7	40.4
1967	47.6		112.5			
1968	49.3	56.2	114.1	20.7	83.4	42.0
1969	49.8	57.7	115.8	22.2	84.9	44.6
1970	50.6	54.0	106.7	23.9	86.3	47.1
1971	54.5	55.2	101.2	25.5	88.2	46.7
1972	57.5	61.6	107.1	26.8	89.9	46.6
1973	60.1	69.3	115.4	28.7	90.7	47.8
1974	59.9	67.9	113.4	31.8	90.5	53.1
1975	60.8	60.7	99.8	35.9	93.7	59.1
1976	63.3	66.1	104.4	39.0	96.2	61.6
1977	65.3	72.0	110.2	42.4	98.1	64.9
			116.7	45.5	97.9	
1978 1979	66.1 66.1	77.2 79.5	120.3	49.9	96.4	68.8 75.5
1979	00.1	19.5	120.3	49.9	96.4	/5.5
1980	65.9	74.6	113.2	56.1	95.6	85.2
1981	66.8	75.1	112.4	61.7	95.3	92.5
1982	69.3	69.8	100.7	67.8	98.5	97.8
1983	73.5	74.4	101.3	69.3	97.6	94.3
1984	77.5	85.5	110.4	71.3	96.2	92.0
1985	80.1	88.4	110.3	74.9	97.7	93.6
1986	84.3	90.6	107.5	78.7	100.7	93.3
1987	87.1	93.4	107.2	81.0	100.1	93.0
1988	89.3	99.3	111.2	83.7	99.3	93.8
1989	89.8	99.8	111.1	86.5	97.9	96.3
1990	92.0	98.8	107.4	90.5	97.2	98.5
1990	93.5					
		94.9	101.4	95.5	98.3	102.1
1992	100.0	100.0	100.0	100.0	100.0	100.0
1993 1994	104.6 109.5	106.1 114.9	101.5 105.0	103.1 105.5	100.1 99.9	98.6 96.3
1995	115.4	122.7	106.3	108.2	99.7	93.8
1996	122.7	131.4	107.1	110.9	99.1	90.4
1997	130.1	142.3	109.4	114.3	99.9	87.9

See footnotes following Table 6.

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Appendix table 3. Nondurable manufacturing sector: Productivity, hourly compensation, and unit labor costs, Indexes 1992=100

Real Output perHoursCompensa-compensa-Unithour ofof alltion pertion perlaborYearall personsOutputpersonshour (1)hour (2)costs costs 88.6 8.6 1949 33.8 30.0 50.9 25.5 34.131.592.59.035.032.994.19.836.033.893.910.336.735.195.610.838.234.991.311.3 26.5 1950 52.5 52.5 52.8 54.4 56.7 27.9 28.5 1951 1952 1953 29.4 1954 59.2 29.7 39.837.794.811.741.339.395.112.442.539.693.213.143.839.389.913.745.042.393.914.1 61.1 1955 29.3 64.0 30.0 1956 65.5 66.3 30.9 31.2 1957 1958 1959 68.1 31.4 46.2 43.1 93.3 14.7 69.9 1960 31.9 46.243.193.314.769.947.543.992.415.271.548.345.694.415.773.150.147.494.516.274.452.249.995.616.976.5 32.0 1961 32.5 1962 32.4 32.4 1963 1964 52.552.199.217.353.154.5102.718.055.556.8102.319.157.659.8103.920.558.961.7104.722.0 77.0 1965 32.9 1966 78.1 34.0 80.2 34.4 1967 1968 82.7 35.6 37.4 84.2 1969 61.362.2101.523.664.063.999.924.966.167.8102.626.167.069.7104.028.268.869.4100.931.5 85.4 1970 38.6 85.4 86.3 38.9 1971 1972 87.8 39.6 89.1 42.1 1973 1974 89.5 45.7 70.966.694.035.073.572.698.737.876.977.6101.041.078.280.2102.644.577.679.9102.948.8 1975 91.2 49.3 51.4 1976 93.1 53.3 94.9 1977 1978 95.8 57.0 94.4 1979 62.9 77.878.0100.254.478.778.799.959.782.778.194.465.883.880.496.068.285.084.198.970.8 92.7 92.2 95.7 69.9 75.9 1980 1981 79.6 1982 1983 96.1 81.5 1984 95.7 83.3 88.485.997.274.890.988.597.477.892.792.299.579.993.594.5101.083.792.994.7102.086.5 1985 97.6 84.7 99.6 98.7 99.2 85.5 86.2 1986 1987 89.5 1988 1989 97.9 93.2 94.696.0101.591.197.896.195.599.495.998.8100.0100.0100.0100.099.7100.9101.2102.699.6101.3103.5102.2105.599.9 96.3 1990 99.8 1991 100.0 1992 102.9 1993 1994 104.2 104.2105.3101.1107.1105.998.9110.6109.098.5 108.9100.3113.4101.4117.9103.0 1995 104.6 105.9 1996 1997 98.5 106.6 _____

See footnotes following Table 6.

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SOURCES: Output data are from the Bureau of Economic Analysis and the Census Bureau of the U.S. Department of Commerce; the Bureau of Labor Statistics, U.S. Department of Labor; and the Federal Reserve Board. Compensation and hours data are from the Bureau of Labor Statistics and the Bureau of Economic Analysis.

RELIABILITY: Productivity and cost measures are regularly revised as more complete information becomes available. The measures are first published 30 days after the close of the reference period; revisions appear 30 days later, and second revisions after an additional 60 days.

Footnotes, Tables 1-6

- (1) Wages and salaries of employees plus employers' contributions for social insurance and private benefit plans. Except for nonfinancial corporations, where there are no self-employed, data also include an estimate of wages, salaries, and supplemental payments for the selfemployed.
- (2) Compensation per hour adjusted for changes in the Consumer Price Index for All Urban Consumers.
- (3) Unit nonlabor payments include profits, capital consumption allowances, interest, rental income of persons, and indirect taxes.
- (4) Current dollar output divided by the output index.
- (5) Quarterly changes: Percent change compounded at annual rate from the original data rather than index numbers. Annual changes: Percent change between annual average levels.
- (6) Unit nonlabor costs include capital consumption allowances, interest, rental income of persons, and indirect taxes. For nonfinancial corporations, rental income of persons is zero by definition.
- (7) Total unit costs are the sum of unit labor and nonlabor costs.
- (8) Unit profits include corporate profits with inventory valuation and capital consumption adjustments.