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FEDERAL RESERVE

statistical release

G.12.3

For release at 9:30 a.m. (EST)
January 17, 1979

Industrial production in December increased an estimated 0.6 per cent, the same as the revised November change. Production gains in December were widespread among most major product and material groupings, with output of automotive products the major exception. Large increases occurred in production of home goods, business and defense equipment, construction and business supplies, and durable goods materials. Industrial production in the fourth quarter increased from the third quarter at an annual rate of 7.0 per cent. The index for December was 150.4 per cent of the 1967 average, 7.7 per cent above a year earlier. Preliminary average of the index for 1978 is 5.8 per cent above the average for 1977.

Products. Output of consumer goods increased 0.5 per cent in December. The production of home goods, particularly appliances, advanced sharply following two consecutive months of decline, but still remained below the level in September. Auto assemblies declined more than 4 per cent to an annual rate of 9.3 million units from a rate of 9.7 million units in November. Production of consumer non-durable goods increased moderately in December. Business equipment output increased 0.8 per cent in December, reflecting continued large gains in commercial and transit equipment, and was nearly 10 per cent above a year earlier.

Materials. Production of durable goods materials increased sharply again in December, reflecting continued strength in basic metals and in parts for equipment and consumer durables; output of these materials was more than 12 per cent above a year earlier. Output of nondurable goods materials increased slightly. Production of energy materials rose moderately as coal production continued to increase sharply.

INDUSTRIAL PRODUCTION: SUMMARY (Seasonally Adjusted)

Indexes, 1967=100	1978		Per cent changes						
	Nov. (p)	Dec. (e)	July	Aug.	Sep.	Oct.	Nov.	Dec.	Dec. 77
			From preceding month						
Total	149.5	150.4	.8	.7	.5	.5	.6	.6	7.7
Products, total	147.8	148.8	.7	.8	.2	.2	.7	.7	6.1
Final Products	144.8	145.6	.8	.8	.3	.1	.6	.6	5.8
Consumer Goods	149.8	150.5	.5	.5	.4	.1	.5	.5	3.2
Durable	162.6	162.8	.2	.4	-.7	1.1	.4	.1	4.5
Nondurable	144.8	145.5	.6	.5	.9	-.3	.6	.5	2.6
Business Equipment	167.9	169.3	1.2	1.0	.2	.7	.6	.8	9.9
Intermediate Products	159.2	160.5	.6	.5	.4	.7	.7	.8	6.7
Construction Supplies	157.7	159.1	.9	.8	.6	.6	.7	.9	7.3
Materials	152.2	152.9	1.0	.5	.7	1.1	.6	.5	10.2

p--preliminary e--estimate



FEDERAL RESERVE

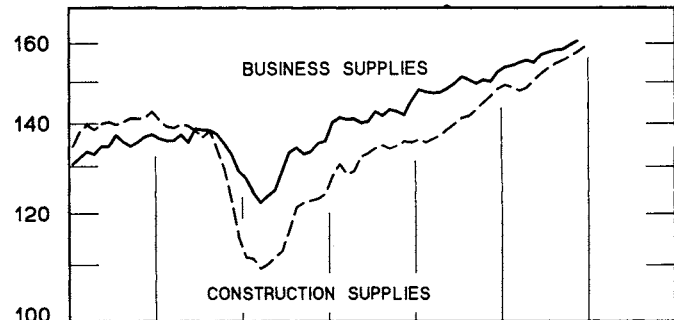
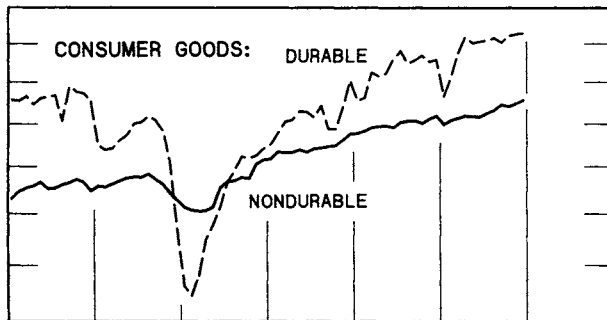
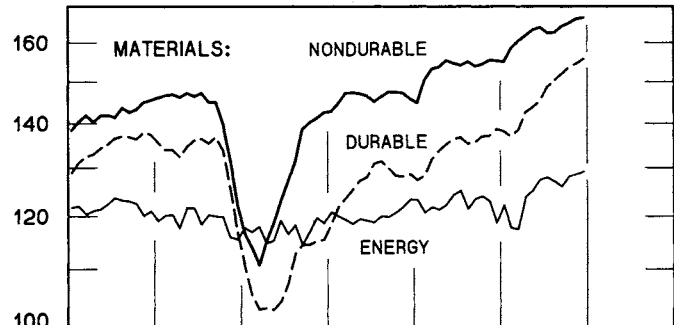
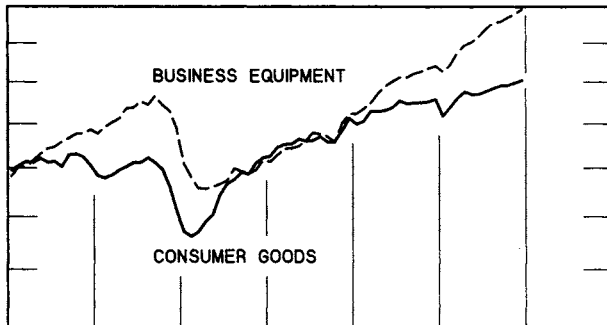
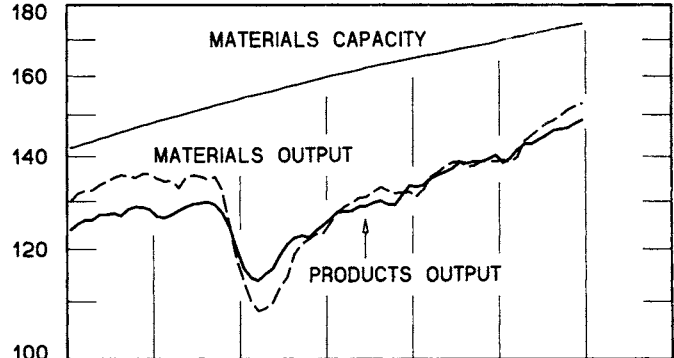
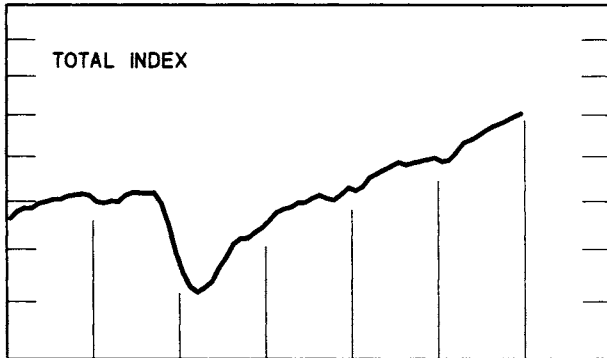
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INDUSTRIAL PRODUCTION

DECEMBER DATA

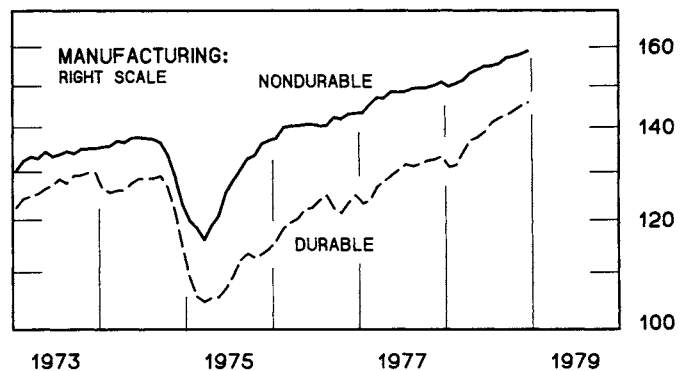
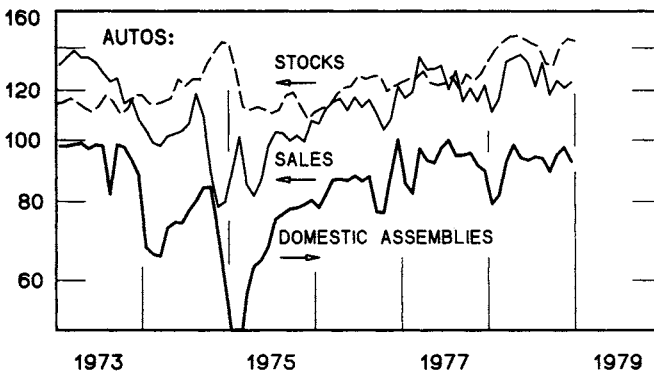
SEASONALLY ADJUSTED, RATIO SCALE, 1967=100



1969-70=100

ANNUAL RATE, MILLIONS OF UNITS

1967=100



AUTOS: SALES AND STOCKS INCLUDE IMPORTS

Table 1. INDUSTRIAL PRODUCTION BY MARKET GROUPINGS

Seasonally Adjusted, 1967=100

MAJOR MARKET GROUPINGS	1967	1977	1977	1978											
	PRO- TION	AVG.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
TOTAL INDEX	100.00	137.1	139.7	138.8	139.2	140.9	143.2	143.9	144.9	146.1	147.1	147.8	148.6	149.5	150.4
PRODUCTS, TOTAL	60.71	137.1	140.3	138.5	139.6	141.6	143.0	143.1	144.0	145.0	146.2	146.5	146.8	147.8	148.8
FINAL PRODUCTS	47.82	134.9	137.6	134.9	136.4	138.9	140.5	140.5	141.1	142.2	143.3	143.7	143.9	144.8	145.6
CONSUMER GOODS	27.68	143.4	145.8	141.8	143.8	145.9	147.5	147.0	147.7	148.4	149.0	149.1	149.8	149.8	150.5
EQUIPMENT	20.14	123.2	126.2	125.4	126.2	129.1	130.8	131.6	133.0	134.7	136.3	136.4	136.9	137.7	138.8
INTERMEDIATE PRODUCTS	12.89	145.1	150.4	151.6	151.4	151.4	152.1	152.6	154.7	155.6	156.4	157.0	158.1	159.2	160.5
MATERIALS	39.29	136.9	138.8	139.2	138.6	139.9	143.7	145.1	146.4	147.9	148.6	149.7	151.3	152.2	152.9
CONSUMER GOODS															
DURABLE CONSUMER GOODS	7.89	153.1	155.8	146.5	151.2	157.5	161.8	160.2	160.6	160.9	161.5	160.3	162.0	162.6	162.8
AUTOMOTIVE PRODUCTS	2.83	174.2	172.4	157.5	162.8	175.8	184.3	180.0	179.9	182.2	182.1	178.3	186.2	189.6	186.3
AUTOS & UTILITY VEHICLES	2.03	169.2	165.5	145.5	153.9	171.0	182.7	175.6	174.3	176.7	175.6	170.0	181.3	185.7	180.9
AUTOS, TOTAL	1.90	148.4	143.6	127.4	131.5	149.7	159.1	151.6	149.8	152.7	151.1	144.4	155.0	159.8	151.9
AUTO PARTS & ALLIED GOODS	.80	186.8	190.4	187.8	185.3	188.5	188.2	191.5	193.9	196.1	198.0	199.8	199.1	199.5	200.0
HOME GOODS	5.06	141.3	146.6	140.3	144.6	147.2	149.2	148.9	149.7	148.9	150.0	150.2	148.5	147.6	149.6
APPLIANCES, AIR COND & TV	1.40	127.3	132.8	118.1	133.3	135.4	142.2	138.3	139.0	133.7	133.9	134.4	128.7	124.1	127.9
APPLIANCES AND TV	1.33	130.5	134.6	117.4	135.7	137.9	144.7	140.7	141.0	136.8	135.6	136.9	129.9	125.2	
CARPETING AND FURNITURE	1.07	152.2	161.5	159.1	160.2	159.3	158.9	163.4	166.0	168.5	167.9	169.0	169.3	169.4	
MISC. HOME GOODS	2.59	144.3	147.7	145.9	144.3	146.7	149.0	148.8	148.8	149.1	151.3	150.8	150.6	151.4	152.9
NONDURABLE CONSUMER GOODS	19.79	139.6	141.8	139.9	140.8	141.3	141.8	141.7	141.6	142.4	143.1	144.4	144.0	144.8	145.5
CLOTHING	4.29	125.2	126.9	118.3	121.1	122.4	124.9	125.4	124.8	125.1	126.6	128.9	128.3		
CONSUMER STAPLES	15.50	143.6	145.9	145.9	146.3	146.4	146.6	146.2	146.3	147.3	147.8	148.8	148.3	148.9	149.9
CONSUMER FOODS & TOBACCO	8.33	135.5	137.9	136.5	138.3	138.7	140.8	139.9	139.0	140.2	140.8	141.2	140.0	140.9	
NONFOOD STAPLES	7.17	152.9	155.2	156.6	155.8	155.3	153.3	153.4	154.8	155.5	155.9	157.4	156.0	158.4	159.4
CONSUMER CHEMICAL PROD	2.63	180.5	186.5	187.4	184.3	182.1	182.5	182.0	185.5	186.7	188.0	190.1	191.9	192.5	
CONSUMER PAPER PRODUCTS	1.92	117.1	119.8	121.4	118.8	118.9	117.7	117.9	118.0	117.5	117.3	118.2	117.0	117.3	
CONSUMER ENERGY PROD	2.62	151.4	149.7	151.5	154.5	155.0	149.9	150.7	150.8	151.9	152.0	153.3	154.0	154.7	
RESIDENTIAL UTILITIES	1.45	159.0	158.5	161.7	167.6	166.9	159.0	157.2	159.0	159.9	160.1	160.9			
EQUIPMENT															
BUSINESS EQUIPMENT	12.63	149.2	154.0	152.6	154.2	157.4	159.3	160.2	161.8	163.8	165.4	165.8	166.9	167.9	169.3
INDUSTRIAL EQUIPMENT	6.77	138.5	143.0	144.3	144.6	146.9	147.8	149.7	150.9	151.9	152.8	152.7	153.2	152.9	153.4
BUILDING AND MINING EQUIP	1.44	202.5	208.3	211.1	214.9	221.7	225.1	226.0	227.3	228.9	228.1	226.3	227.1	225.0	224.2
MANUFACTURING EQUIPMENT	3.85	113.9	118.2	118.8	117.7	118.3	119.0	121.3	122.8	122.6	123.9	124.4	125.3	125.1	126.0
POWER EQUIPMENT	1.47	140.2	143.7	146.1	145.8	148.8	147.3	149.2	149.2	152.8	154.6	158.8	154.0	154.4	155.7
COM'L, TRANSIT, FARM EQ	5.86	161.6	166.9	162.2	165.5	169.4	172.6	172.3	174.4	177.5	179.9	180.8	182.7	185.3	187.8
COMMERCIAL EQUIPMENT	3.26	191.6	198.8	198.5	200.9	202.0	203.8	204.2	206.9	210.6	212.2	214.1	215.1	216.8	219.3
TRANSIT EQUIPMENT	1.93	117.8	121.1	111.1	115.9	126.1	133.7	132.2	132.3	134.9	138.5	138.6	142.3	146.1	149.5
FARM EQUIPMENT	.67	142.3	144.5	131.4	134.8	137.0	132.9	131.9	137.3	138.5	141.3	142.0	142.2	143.9	
DEFENSE AND SPACE EQUIPMENT	7.51	79.6	79.5	79.7	79.2	81.9	82.9	83.6	84.6	85.9	87.1	87.1	86.7	87.1	87.6
INTERMEDIATE PRODUCTS															
CONSTRUCTION SUPPLIES	6.42	140.8	148.3	149.2	148.6	147.9	148.5	150.4	152.1	153.5	154.7	155.6	156.6	157.7	159.1
BUSINESS SUPPLIES	6.47	149.5	152.6	153.8	154.2	155.0	155.6	155.0	157.0	157.6	158.2	158.4	159.6	160.7	
COMMERCIAL ENERGY PRODUCTS	1.14	164.6	165.6	165.5	165.6	164.3	163.5	162.7	163.0	164.1	167.4	169.9	170.5	171.0	
MATERIALS															
DURABLE GOODS MATERIALS	20.35	134.5	138.7	138.2	137.0	138.6	142.7	143.9	145.4	148.7	150.4	152.1	153.7	154.6	155.8
DURABLE CONSUMER PARTS	4.58	132.0	135.7	133.0	131.1	133.1	136.8	137.9	138.7	142.0	142.2	144.8	147.3	147.3	148.3
EQUIPMENT PARTS	5.44	143.1	149.2	148.7	146.6	151.3	154.8	155.8	157.4	161.7	162.9	164.6	166.0	167.3	168.9
DURABLE MATERIALS NEC	10.34	131.1	134.3	134.9	134.6	134.5	138.9	140.3	141.8	144.7	147.6	148.7	150.1	151.1	152.2
BASIC METAL MATERIALS	5.57	110.9	110.3	110.2	111.0	110.4	116.7	117.5	118.2	121.7	125.4	126.7	128.0	129.0	
NONDURABLE GOODS MATERIALS	10.47	153.5	155.3	155.0	158.5	160.5	162.0	163.5	164.1	162.5	162.7	164.4	165.4	166.5	166.8
TEXTILE, PAPER, & CHEM MAT	7.62	158.3	159.3	160.7	162.8	165.7	166.4	167.9	168.8	168.3	167.0	170.0	170.5	171.4	171.4
TEXTILE MATERIALS	1.85	113.0	117.3	114.9	115.8	115.1	116.5	116.7	118.0	117.1	116.0	118.7	118.7	118.6	
PAPER MATERIALS	1.62	133.5	130.2	135.0	136.8	137.8	139.2	140.1	139.9	135.1	131.5	137.7	137.3	137.3	
CHEMICAL MATERIALS	4.15	188.2	189.5	191.4	194.2	199.2	199.5	201.7	202.9	204.0	203.7	205.5	206.7	208.2	
CONTAINERS, NONDURABLE	1.70	150.9	154.4	150.4	158.7	158.1	160.5	161.9	162.8	155.4	161.8	161.1	163.4	165.6	
NONDURABLE MATERIALS NEC	1.14	125.3	129.9	123.6	128.9	129.3	134.6	135.8	135.0	135.7	134.8	131.8	134.3	135.7	
ENERGY MATERIALS	8.48	122.4	118.7	122.2	117.7	117.5	123.9	125.2	127.5	127.9	127.0	126.0	128.1	128.6	129.2
PRIMARY ENERGY	4.65	107.3	103.0	105.2	101.0	104.5	115.5	114.4	116.1	116.7	115.4	111.8	116.1	117.0	
CONVERTED FUEL MATERIALS	3.82	140.7	137.7	142.8	138.0	133.3	134.1	138.6	141.4	141.6	141.3	143.4	142.7	142.7	
SUPPLEMENTARY GROUPS															
HOME GOODS AND CLOTHING	9.35	133.9	137.5	130.2	133.8	135.9	138.0	138.2	138.3	138.0	139.2	140.3	139.1	139.2	140.6
ENERGY, TOTAL	12.23	132.5	129.7	132.5	130.0	129.8	133.1	134.2	135.9	136.4	136.1	135.9	137.6	138.1	138.8
PRODUCTS	3.76	155.4	154.5	155.8	157.9	154.1	154.3	154.6	155.6	156.7	156.7	158.3	159.0	159.7	
MATERIALS	8.48	122.4	118.7	122.2	117.7	117.5	123.9	125.2	127.5	127.9	127.0	126.0	128.1	128.6	129.2

DATA FOR THE CURRENT MONTH ARE ESTIMATED. PREVIOUS MONTH DATA ARE PRELIMINARY.

Table 2.
INDUSTRIAL PRODUCTION BY MARKET GROUPINGS

Not Seasonally Adjusted, 1967 = 100

MAJOR MARKET GROUPINGS	1967	1977	1977	1978											
	PRO- DUC- TION	PRD- AVG.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
TOTAL INDEX	100.00	137.1	134.9	134.8	139.6	141.4	144.2	144.2	148.8	141.9	146.9	152.0	152.5	149.7	144.9
PRODUCTS, TOTAL	60.71	137.1	133.8	133.5	139.0	141.0	143.2	142.1	148.2	141.7	147.0	153.3	152.3	148.3	141.8
FINAL PRODUCTS	47.82	134.9	131.1	131.0	136.6	138.6	140.7	138.9	145.1	138.2	143.4	150.6	149.3	145.1	138.8
CONSUMER GOODS	27.68	143.4	135.8	136.7	143.4	145.3	148.4	145.2	152.1	142.5	149.7	158.4	156.6	149.5	140.4
EQUIPMENT	20.14	123.2	124.6	123.1	127.1	129.3	130.1	130.4	135.6	132.2	134.6	139.7	139.3	139.1	136.8
INTERMEDIATE PRODUCTS	12.89	145.1	144.1	142.5	148.0	150.3	152.6	153.8	159.9	154.8	160.3	163.4	163.1	160.3	152.7
MATERIALS	39.29	136.9	136.5	137.0	140.6	142.1	146.1	147.0	149.7	142.2	146.8	149.8	152.8	151.9	150.1
CONSUMER GOODS															
DURABLE CONSUMER GOODS	7.89	153.1	144.4	142.7	155.7	162.4	169.7	163.7	167.6	143.9	146.7	166.1	173.9	164.9	150.5
AUTOMOTIVE PRODUCTS	2.83	174.2	154.7	157.7	173.7	187.8	203.1	190.1	192.3	151.8	141.5	181.9	205.0	193.3	165.6
AUTOS & UTILITY VEHICLES	2.03	169.2	141.2	147.7	167.8	187.2	208.2	191.8	192.3	139.4	119.4	171.4	203.2	190.8	152.5
AUTOS, TOTAL	1.90	148.4	123.5	130.3	143.6	164.5	182.7	168.4	164.8	114.5	96.4	147.6	175.5	165.9	129.0
AUTO PARTS & ALLIED GOODS	.80	186.8	189.0	182.9	188.8	189.3	190.0	185.8	192.4	183.4	197.6	208.4	209.6	199.5	199.0
HOME GOODS	5.06	141.3	138.5	134.3	145.6	148.1	151.0	148.9	153.7	139.5	149.6	157.3	156.4	149.0	142.0
APPLIANCES, AIR COND & TV	1.40	127.3	111.8	115.1	138.8	141.8	151.7	142.1	146.0	119.5	122.8	139.5	141.8	121.8	107.1
APPLIANCES AND TV	1.33	130.5	114.4	116.3	140.3	142.5	151.8	142.5	147.5	122.6	126.9	143.9	145.1	124.2	
CARPETING AND FURNITURE	1.07	152.2	158.6	152.3	164.7	162.3	160.8	161.9	167.1	149.7	168.7	176.3	176.1	173.3	
MISC. HOME GOODS	2.59	144.3	144.6	137.3	141.4	145.7	146.7	147.2	152.3	146.1	156.3	159.1	156.3	153.7	150.1
NONDURABLE CONSUMER GOODS	19.79	139.6	132.4	134.3	138.5	138.4	140.0	137.7	146.0	142.0	150.9	155.3	149.6	143.4	136.4
CLOTHING	4.29	125.2	110.3	111.7	124.1	124.8	132.5	124.3	133.2	111.6	131.9	137.7	134.5		
CONSUMER STAPLES	15.50	143.6	138.5	140.6	142.4	142.1	142.1	141.4	149.5	150.4	156.1	160.2	153.8	148.0	142.7
CONSUMER FOODS & TOBACCO	8.33	135.5	129.8	130.5	134.0	134.5	138.5	136.3	142.5	138.1	147.6	153.4	148.8	141.9	
NONFOOD STAPLES	7.17	152.9	148.7	152.3	152.3	150.8	146.2	147.4	157.7	164.6	166.2	168.2	159.7	155.1	153.5
CONSUMER CHEMICAL PROD	2.63	180.5	172.7	170.7	173.4	175.5	177.5	181.0	195.6	198.3	197.6	205.2	200.9	191.1	
CONSUMER PAPER PRODUCTS	1.92	117.1	112.6	113.5	113.3	114.4	113.4	113.8	120.7	123.3	127.5	128.1	121.1	115.9	
CONSUMER ENERGY PROD	2.62	151.4	151.0	162.5	159.7	152.8	139.0	138.3	146.9	161.0	163.1	160.6	146.7	147.7	
RESIDENTIAL UTILITIES	1.45	159.0	160.2	181.0	178.2	166.2	143.3	136.6	150.9	172.7	176.9	173.2			
EQUIPMENT															
BUSINESS EQUIPMENT	12.63	149.2	150.4	148.9	155.5	157.4	158.5	158.3	165.7	160.5	163.8	171.2	170.6	169.4	164.7
INDUSTRIAL EQUIPMENT	6.77	138.5	142.1	141.3	146.0	146.8	146.3	147.1	152.4	148.4	151.0	157.3	156.2	155.7	152.7
BUILDING AND MINING EQUIP	1.44	202.5	212.5	209.8	218.6	218.6	219.7	218.7	226.0	219.5	223.3	234.0	233.0	233.3	228.7
MANUFACTURING EQUIPMENT	3.85	113.9	115.6	115.5	119.7	119.5	118.8	119.8	124.8	119.8	123.5	127.6	126.3	126.4	123.5
POWER EQUIPMENT	1.47	140.2	142.3	141.7	143.5	147.5	146.4	148.2	152.5	153.7	151.7	159.6	159.2	156.3	154.1
COM'L, TRANSIT, FARM EQ	5.86	161.6	159.8	157.8	166.3	169.7	172.5	171.3	181.1	174.6	178.6	187.3	187.2	185.2	178.7
COMMERCIAL EQUIPMENT	3.26	191.6	191.4	189.0	197.5	196.3	199.6	201.3	215.0	215.4	219.0	225.4	220.9	217.9	209.4
TRANSIT EQUIPMENT	1.93	117.8	117.0	115.0	122.0	132.9	137.8	133.5	135.6	124.2	128.4	135.7	144.6	146.6	140.8
FARM EQUIPMENT	.67	142.3	137.7	128.8	141.5	146.1	140.5	134.0	147.4	121.5	126.5	150.5	145.8	137.1	
DEFENSE AND SPACE EQUIPMENT	7.51	79.6	81.4	79.8	79.4	82.2	82.3	83.4	84.9	84.5	85.6	86.9	86.7	88.1	89.7
INTERMEDIATE PRODUCTS															
CONSTRUCTION SUPPLIES	6.42	140.8	140.7	139.2	146.4	148.6	153.0	154.2	159.3	150.0	155.8	159.6	161.0	158.5	149.6
BUSINESS SUPPLIES	6.47	149.5	147.4	145.7	149.6	151.9	152.3	153.4	160.5	159.5	164.9	167.1	165.1	161.9	
COMMERCIAL ENERGY PRODUCTS	1.14	164.6	159.5	164.8	163.4	158.2	153.8	156.0	169.0	181.5	182.0	180.7	169.8	163.3	
MATERIALS															
DURABLE GOODS MATERIALS	20.35	134.5	136.6	133.9	138.6	141.8	145.9	147.3	149.8	142.7	146.4	152.6	155.3	154.3	152.5
DURABLE CONSUMER PARTS	4.58	132.0	138.6	131.7	133.1	134.5	139.3	140.5	140.3	134.6	134.7	145.2	149.5	149.5	150.2
EQUIPMENT PARTS	5.44	143.1	151.1	147.8	148.1	153.4	155.3	156.7	159.6	157.3	158.8	164.4	166.7	168.8	169.9
DURABLE MATERIALS NEC	10.34	131.1	128.1	127.5	136.1	138.9	143.8	145.3	148.9	138.7	145.0	149.7	151.7	148.7	144.2
BASIC METAL MATERIALS	5.57	110.9	104.2	107.4	114.8	117.8	124.8	125.1	125.9	112.9	118.1	124.2	126.7	123.2	
NONDURABLE GOODS MATERIALS	10.47	153.5	149.9	152.4	160.2	162.7	165.1	165.2	167.6	153.1	163.0	164.4	169.6	167.5	161.5
TEXTILE, PAPER, & CHEM MAT	7.62	158.3	154.3	158.0	164.8	167.8	170.1	170.5	172.5	158.5	167.7	169.5	172.9	172.4	166.4
TEXTILE MATERIALS	1.85	113.0	111.2	117.2	120.3	118.7	120.4	121.5	120.9	97.0	118.2	116.0	122.1	119.5	
PAPER MATERIALS	1.62	133.5	120.0	135.4	141.7	143.0	144.0	142.8	144.4	124.6	132.9	132.2	140.2	137.8	
CHEMICAL MATERIALS	4.15	188.2	187.0	185.1	193.8	199.4	202.5	203.3	206.6	199.3	203.5	208.0	208.4	209.7	
CONTAINERS, NONDURABLE	1.70	150.9	138.3	143.3	161.4	162.4	164.0	164.0	170.5	149.8	166.5	164.5	170.1	161.3	
NONDURABLE MATERIALS NEC	1.14	125.3	137.4	128.3	127.4	128.8	133.7	131.3	130.3	122.0	127.0	130.1	146.1	144.1	
ENERGY MATERIALS	8.48	122.4	119.9	125.4	121.4	117.5	123.3	123.5	127.2	127.3	127.9	124.9	125.9	127.1	130.2
PRIMARY ENERGY	4.65	107.3	102.8	104.8	103.4	106.0	117.0	116.1	117.1	114.2	114.0	111.5	114.7	116.5	
CONVERTED FUEL MATERIALS	3.82	140.7	140.7	150.5	143.4	131.4	131.0	132.6	139.4	143.2	144.8	141.1	139.8	140.3	
SUPPLEMENTARY GROUPS															
HOME GOODS AND CLOTHING	9.35	133.9	125.6	123.9	135.7	137.4	142.5	137.6	144.3	126.7	141.5	148.3	146.4	138.8	129.0
ENERGY, TOTAL	12.23	132.5	130.3	137.0	133.5	128.8	129.5	129.7	135.3	139.5	140.4	137.7	134.5	134.9	138.9
PRODUCTS	3.76	155.4	153.6	163.2	160.8	154.4	143.5	143.6	153.5	167.2	168.8	166.6	153.7	152.4	
MATERIALS	8.48	122.4	119.9	125.4	121.4	117.5	123.3	123.5	127.2	127.3	127.9	124.9	125.9	127.1	130.2

DATA FOR THE CURRENT MONTH ARE ESTIMATED. PREVIOUS MONTH DATA ARE PRELIMINARY.

Table 3.
PRODUCTION BY INDUSTRY GROUPINGS

Seasonally Adjusted, 1967 = 100

MAJOR INDUSTRY GROUPINGS	SIC CODE	1967	1977	1977	1978											
		PRO- TION	POR- AVG.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
MINING AND UTILITIES		12.05	136.2	133.9	137.4	137.7	138.2	140.9	140.9	142.5	142.6	142.5	142.1	144.1	144.2	144.7
MINING		6.36	117.8	113.4	115.0	114.4	119.3	127.2	126.7	128.0	127.1	126.0	124.1	127.7	127.9	128.0
UTILITIES		5.69	156.5	156.7	162.3	163.5	159.5	156.0	157.0	158.6	159.9	160.8	162.3	162.4	162.6	163.3
MANUFACTURING		87.95	137.1	140.5	138.7	139.4	141.4	143.5	144.3	145.5	146.7	147.6	148.7	149.4	150.3	151.2
NONDURABLE		35.97	148.1	150.9	149.8	150.6	151.4	153.2	154.0	154.9	155.0	155.6	157.1	157.5	158.1	158.9
DURABLE		51.98	129.5	133.4	131.1	131.5	134.4	136.9	137.6	139.0	141.1	142.2	142.8	143.9	145.0	145.9
MINING																
METAL MINING	10	.51	105.4	104.3	121.4	119.9	127.6	122.3	120.0	121.1	117.0	117.9	115.6	122.1	125.3	
COAL	11,12	.69	118.0	74.6	54.8	56.5	78.4	129.5	131.7	136.4	131.7	124.9	114.7	144.0	145.6	147.2
OIL AND GAS EXTRACTION	13	4.40	118.0	118.4	121.1	120.4	123.3	127.3	126.3	127.1	126.8	126.2	124.9	124.7	124.5	124.2
STONE AND EARTH MINERALS	14	.75	124.9	126.5	130.0	129.1	128.2	128.9	130.1	130.7	131.3	131.6	133.8	134.0	133.3	
NONDURABLE MANUFACTURES																
FOODS	20	8.75	137.9	140.4	139.3	140.8	141.1	143.1	142.8	141.8	142.9	144.0	144.4	143.5	144.1	
TOBACCO PRODUCTS	21	.67	114.3	120.6	113.4	117.7	115.6	121.0	120.2	122.7	120.8	118.6	120.6	119.0		
TEXTILE MILL PRODUCTS	22	2.68	137.1	143.7	137.1	136.4	135.1	138.1	138.5	140.4	141.0	139.5	142.2	142.1	143.0	
APPAREL PRODUCTS	23	3.31	124.2	125.8	118.6	121.1	122.8	126.1	125.8	126.8	124.5	127.2	130.9	130.6		
PAPER AND PRODUCTS	26	3.21	137.4	138.6	139.9	143.9	144.9	145.7	146.6	148.0	140.5	141.9	142.3	145.8	145.3	146.2
PRINTING AND PUBLISHING	27	4.72	124.7	127.5	129.9	128.3	129.1	128.6	128.2	128.7	130.3	129.5	131.0	130.3	131.9	132.9
CHEMICALS AND PRODUCTS	28	7.74	180.7	183.0	184.4	183.7	185.2	185.5	188.1	191.1	192.3	192.2	194.2	195.8	196.8	
PETROLEUM PRODUCTS	29	1.79	141.0	139.3	139.7	139.0	140.1	141.7	143.4	142.8	144.3	144.1	147.1	146.7	147.2	149.0
RUBBER & PLASTICS PRODUCTS	30	2.24	232.2	240.1	238.7	240.0	243.1	249.1	252.7	255.5	259.1	261.1	263.1	264.1	263.7	
LEATHER AND PRODUCTS	31	.86	75.3	77.3	74.5	73.0	72.1	76.0	75.7	75.1	74.5	74.0	74.1	73.8	74.5	
DURABLE MANUFACTURES																
ORDNANCE, PVT & GOVT	19,91	3.64	73.9	73.8	72.3	71.2	72.7	73.0	74.3	74.7	75.2	75.2	74.3	73.9	73.6	73.8
LUMBER AND PRODUCTS	24	1.64	133.4	138.1	138.5	135.5	136.5	136.9	136.5	138.7	138.1	136.9	139.2	140.2	141.6	
FURNITURE AND FIXTURES	25	1.37	140.9	146.6	146.4	150.1	149.5	148.9	152.8	156.2	158.1	159.0	160.7	161.3	161.2	
CLAY, GLASS, STONE PROD	32	2.74	146.1	152.1	152.2	152.6	154.2	156.7	157.9	159.8	158.8	159.5	160.9	162.1	164.1	
PRIMARY METALS																
IRON AND STEEL	33,31,2	6.57	110.2	111.0	107.4	106.2	106.1	114.3	115.5	117.5	123.0	126.0	127.9	128.4	128.9	129.3
FABRICATED METAL PROD	34	5.93	130.9	136.4	136.9	136.9	138.1	139.5	140.4	142.3	144.0	145.8	146.3	146.3	146.8	147.9
NONELECTRICAL MACHINERY	35	9.15	144.8	151.7	150.1	150.1	151.5	152.2	152.9	154.6	156.1	157.3	158.7	159.8	160.7	162.2
ELECTRICAL MACHINERY	36	8.05	141.9	147.3	144.0	146.4	149.5	152.3	152.9	154.1	157.9	156.9	158.3	157.9	159.2	160.9
TRANSPORTATION EQUIP																
MOTOR VEHICLES & PTS	37,371	4.50	159.7	161.8	146.6	153.1	165.1	171.7	168.3	167.7	169.7	171.0	168.9	177.1	181.3	178.5
AEROSPACE & MISC	372-9	4.77	84.7	84.9	87.6	85.8	90.1	91.8	93.9	95.0	96.5	98.3	98.9	99.2	99.8	101.1
INSTRUMENTS	38	2.11	159.1	164.7	163.4	163.5	168.7	170.5	169.8	170.9	172.2	175.4	174.6	175.3	177.2	180.1
MISCELLANEOUS MFRS	39	1.51	149.1	152.5	153.0	151.8	153.7	152.9	152.7	153.5	153.2	153.8	154.1	153.9	153.9	155.5
UTILITIES																
ELECTRIC		3.88	175.5	175.9	183.6	184.3	178.8	175.0	177.1	180.1	182.1	183.2	184.4			

Table 4.
CHANGES IN OUTPUT (PER CENT)

CHANGE FROM PREVIOUS MONTH	1978											
	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
TOTAL INDEX	-.6	.3	1.2	1.6	.5	.7	.8	.7	.5	.5	.6	.6
FINAL PRODUCTS	-2.0	1.1	1.8	1.2	.0	.4	.8	.8	.3	.1	.6	.6
CONSUMER GOODS	-2.7	1.4	1.5	1.1	-.3	.0	.5	.5	.4	.1	.5	.5
DURABLE CONSUMER GOODS	-6.0	3.2	4.2	2.7	-1.0	.2	.2	.4	-.7	1.1	.4	.1
NONDURABLE CONSUMER GOODS	-1.3	.6	.4	.4	-.1	-.1	.6	.5	.9	-.3	.6	.5
BUSINESS EQUIPMENT	-.9	1.0	2.1	1.2	.6	1.0	1.2	1.0	.2	.7	.6	.8
INTERMEDIATE PRODUCTS	.8	-.1	.0	.5	.3	1.4	.6	.5	.4	.7	.7	.8
MATERIALS	.3	-.4	.9	2.7	1.0	.9	1.0	.5	.7	1.1	.6	.5
DURABLE GOODS MATERIALS	-.4	-.9	1.2	3.0	.8	1.0	2.3	1.1	1.1	1.1	.6	.8
NONDURABLE GOODS MATERIALS	-.2	2.3	1.3	.9	.9	.4	-1.0	.1	1.0	.6	.7	.2
MANUFACTURING	-1.3	.5	1.4	1.5	.6	.8	.8	.6	.7	.5	.6	.6
NONDURABLE	-.7	.5	.5	1.2	.5	.6	.1	.4	1.0	.3	.4	.5
DURABLE	-1.7	.3	2.2	1.9	.5	1.0	1.5	.8	.4	.8	.8	.6
MINING AND UTILITIES	2.6	.2	.4	2.0	.0	1.1	.1	-.1	-.3	1.4	.1	.3
CHANGE FROM SAME MONTH A YEAR AGO												
TOTAL INDEX	4.9	4.5	4.1	5.2	5.0	5.2	5.3	6.5	6.7	7.0	7.3	7.7
FINAL PRODUCTS	3.1	3.6	4.2	4.8	4.3	4.2	3.9	5.1	5.0	5.4	5.7	5.8
CONSUMER GOODS	1.4	2.3	2.1	3.2	2.7	2.2	1.6	2.6	2.8	2.9	3.2	3.2
DURABLE CONSUMER GOODS	.8	3.5	3.3	6.8	5.3	3.1	1.8	4.4	3.0	3.3	4.8	4.5
NONDURABLE CONSUMER GOODS	1.6	1.8	1.6	1.7	1.6	1.8	1.5	1.8	2.6	2.8	2.5	2.6
BUSINESS EQUIPMENT	7.2	7.5	8.7	8.3	7.6	7.8	8.3	9.5	9.0	9.4	9.4	9.9
INTERMEDIATE PRODUCTS	6.6	6.9	6.8	6.9	6.3	6.9	6.4	7.0	7.2	7.0	7.3	6.7
MATERIALS	6.2	4.4	3.2	5.3	5.3	5.6	6.5	8.0	8.6	8.9	9.5	10.2
DURABLE GOODS MATERIALS	8.5	6.7	5.1	6.7	6.4	6.6	8.7	11.1	12.1	12.1	12.7	12.3
NONDURABLE GOODS MATERIALS	7.0	5.4	4.7	5.4	5.2	6.1	5.5	4.9	6.8	7.1	7.1	7.4
MANUFACTURING	5.4	5.1	4.7	5.7	5.3	5.6	5.9	6.5	7.0	7.2	7.4	7.6
NONDURABLE	4.5	3.6	3.0	4.2	3.7	4.4	4.3	4.1	5.1	5.3	5.3	5.3
DURABLE	6.2	6.0	6.0	7.0	6.4	6.5	7.2	8.3	8.4	8.7	9.3	9.4
MINING AND UTILITIES	.3	.4	1.2	3.8	2.8	2.7	2.3	6.0	5.2	6.1	6.4	8.1

Table 5.
PRODUCTION BY INDUSTRY GROUPINGS

Not Seasonally Adjusted, 1967 = 100

MAJOR INDUSTRY GROUPINGS	SIC CODE	1967	1977	1977	1978												
		PRO- DUR- TION	AVG.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	
MINING AND UTILITIES																	
MINING		12.05	136.2	135.0	142.0	139.9	136.3	137.0	136.4	142.4	145.5	147.2	144.5	141.5	141.8	144.6	
UTILITIES		6.36	117.8	113.7	113.5	113.3	117.4	127.0	127.4	128.8	124.6	126.6	126.0	129.5	129.8	126.9	
		5.69	156.5	158.7	173.9	169.5	157.4	148.2	146.4	157.7	168.8	170.2	165.2	154.9	155.3	164.2	
MANUFACTURING																	
NONDURABLE		87.95	137.1	134.8	133.9	139.6	142.1	145.1	145.1	149.7	141.2	146.9	153.0	154.0	150.9	144.9	
DURABLE		35.97	148.1	143.0	142.8	148.7	150.5	153.3	153.5	159.3	150.3	160.3	164.2	163.6	159.2	150.6	
		51.98	129.5	129.2	127.8	133.2	136.3	139.5	139.2	143.0	135.1	137.7	145.3	147.4	145.3	141.1	
MINING																	
METAL MINING	10	.51	105.4	97.3	109.6	113.3	120.5	121.1	129.8	132.0	115.2	123.8	125.3	125.0	120.9		
COAL	11,12	.67	118.0	67.6	53.3	59.4	82.4	137.4	137.9	137.2	115.0	124.7	118.8	146.2	145.9	130.5	
OIL AND GAS EXTRACTION	13	4.40	118.0	120.6	122.2	121.1	121.8	125.6	124.3	125.9	126.2	125.9	125.3	125.6	126.6	126.1	
STONE AND EARTH MINERALS	14	.75	124.9	126.7	119.9	117.1	121.8	129.7	134.1	135.5	130.0	134.5	137.1	139.8	139.7		
NONDURABLE MANUFACTURES																	
FOODS																	
TOBACCO PRODUCTS	20	8.75	137.9	135.3	133.5	135.9	137.0	140.5	138.9	143.9	140.9	149.0	154.6	153.0	146.4		
TEXTILE MILL PRODUCTS	21	.67	114.3	99.4	115.2	125.6	116.6	115.4	117.8	128.8	100.3	125.9	128.7	131.2			
APPAREL PRODUCTS	22	2.68	137.1	132.0	131.1	137.5	137.6	143.0	142.7	146.5	125.1	144.2	146.5	148.0	143.0		
PAPER AND PRODUCTS	23	3.31	124.2	110.1	112.4	125.1	126.5	130.2	125.4	132.8	112.4	133.7	139.7	137.3			
	26	3.21	137.4	126.3	137.7	148.2	150.5	151.8	150.2	152.4	130.4	142.8	140.2	150.9	144.8	132.0	
PRINTING AND PUBLISHING	27	4.72	124.7	121.1	116.4	118.9	121.4	123.5	125.9	133.6	136.6	141.2	143.8	136.9	133.7	126.7	
CHEMICALS AND PRODUCTS	28	7.74	180.7	176.0	174.8	179.3	183.9	186.8	190.0	196.8	192.9	195.5	200.8	199.7	196.6		
PETROLEUM PRODUCTS	29	1.79	141.0	138.5	136.8	133.9	134.5	136.0	141.2	146.5	149.1	149.4	150.3	147.1	150.3	150.9	
RUBBER & PLASTICS PRODUCTS	30	2.24	232.2	234.3	231.5	251.3	252.3	253.6	252.7	258.6	233.2	259.2	265.7	270.4	269.0		
LEATHER AND PRODUCTS	31	.86	75.3	72.5	73.0	75.7	73.7	79.9	74.9	78.0	64.8	75.1	75.1	75.6	74.2		
DURABLE MANUFACTURES																	
ORONANCE, PVT & GOVT	19,91	3.64	73.9	74.2	73.0	72.3	74.0	73.2	74.4	75.4	74.6	74.0	73.6	72.8	72.9	73.9	
LUMBER AND PRODUCTS	24	1.64	133.4	130.0	128.5	136.0	137.6	140.6	138.4	144.1	135.1	140.3	143.9	145.5	139.2		
FURNITURE AND FIXTURES	25	1.37	140.9	146.5	144.9	157.4	152.5	148.9	150.7	156.4	141.3	159.0	163.9	163.1	164.4		
CLAY, GLASS, STONE PROD	32	2.74	146.1	143.6	140.0	145.0	151.6	158.8	161.1	167.1	159.3	165.9	166.2	169.9	164.9		
PRIMARY METALS																	
IRON AND STEEL	33	6.57	110.2	103.8	106.5	111.4	114.1	124.2	123.7	124.3	113.7	116.1	123.1	126.3	122.5	119.9	
FABRICATED METAL PROD	33,2	4.21	103.4	96.5	99.0	100.9	104.0	119.9	119.9	120.2	113.3	110.1	117.0	120.7	116.0		
NONELECTRICAL MACHINERY	34	5.93	130.9	134.6	132.9	139.4	140.0	139.8	141.0	143.7	139.0	143.9	147.7	149.0	148.3	146.0	
ELECTRICAL MACHINERY	35	9.15	144.8	146.2	144.6	151.5	151.3	151.7	151.8	159.3	154.4	157.3	165.0	162.7	160.8	156.7	
	36	8.05	141.9	144.8	142.0	146.8	150.1	152.0	152.1	156.9	150.8	153.4	162.4	164.1	161.3	158.4	
TRANSPORTATION EQUIP																	
MOTOR VEHICLES & PTS	37	9.27	121.1	117.7	116.2	122.0	130.7	137.7	134.1	135.7	120.3	116.9	133.5	143.1	141.4	132.8	
AEROSPACE & MISC	37,2	4.50	159.7	151.1	148.7	160.4	172.7	184.8	176.4	178.3	149.2	139.5	169.9	188.7	183.4	164.8	
INSTRUMENTS	37,9	4.77	84.7	86.2	85.6	85.8	91.2	93.3	94.3	95.5	93.1	95.6	99.2	100.2	101.9	102.6	
MISCELLANEOUS MFRS	38	2.11	159.1	164.5	158.5	161.4	166.2	167.3	169.1	174.3	171.5	176.6	179.3	177.9	180.2	178.8	
	39	1.51	149.1	146.4	142.3	149.8	151.1	150.9	150.7	156.6	148.8	159.8	165.2	160.8	156.8	149.9	
UTILITIES																	
ELECTRIC		3.88	175.5	176.4	195.8	188.4	173.1	162.4	162.8	181.0	198.2	199.8	192.0				

Table 6.
DETAILED OUTPUT SERIES

Seasonally Adjusted, 1967=100

INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES	SIC CODE	1967	1977	1978													
		PRO- POR- TION	AVG.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	
METAL MINING	10	.51															
IRON ORE	101,61	.24	74.3	28.9	75.6	110.9	108.9	126.6	115.3	99.9	106.6	101.7	100.5	98.9	111.8	125.3	
NONFERROUS ORES	102-5,8,9	.27	133.3	133.2	130.3	135.8	133.2	131.4	132.1	131.5	128.4	123.6	134.7	129.5	133.2	132.5	
COPPER ORE	1021	.14	158.1	156.2	151.2	161.4	158.7	154.5	157.2	154.7	153.0	144.1	163.3	155.1	160.7	160.1	
LEAD AND ZINC ORES	1031	.03	103.3	103.2	106.1	99.8	94.9	101.4	101.6	100.9	72.6	66.1	81.5	86.8	92.7	89.2	
ANTHRACITE	11	.03	50.8	54.3	41.6	44.9	37.5	51.3	61.2	58.1	57.3	73.2	57.4	54.7	50.7	48.0	
BITUMINOUS COAL	12	.66	120.8	144.2	72.9	55.3	57.3	79.5	132.5	135.2	140.6	134.7	127.8	117.3	149.8	153.6	
OIL AND GAS EXTRACTION	13	4.40															
CRUDE OIL & NATURAL GAS	131	3.61	95.7	95.5	96.4	99.1	95.7	96.9	100.9	98.6	100.2	100.5	100.1	99.1	99.1	98.6	
CRUDE OIL, TOTAL		2.94	92.4	92.9	93.4	96.9	92.7	94.0	99.4	95.4	97.3	97.8	97.7	97.6	97.4	97.2	
ALASKA, CALIF. CRUDE		.31	136.1	167.2	171.2	174.9	161.0	192.1	218.1	199.0	210.2	211.2	212.1	213.1	216.9	216.9	
TEXAS CRUDE		1.07	101.3	98.6	99.0	102.9	99.3	93.6	98.2	94.9	95.3	96.1	95.6	94.6	93.9	94.1	
LA. AND OTHER CRUDE		1.57	77.7	74.6	74.4	77.5	74.8	75.1	77.1	75.6	76.6	76.9	76.9	77.2	76.4	75.9	
NATURAL GAS		.67	110.4	107.1	109.6	108.8	108.7	109.9	107.6	112.2	113.2	112.6	110.5	106.0			
NATURAL GAS LIQUIDS	132	.30															
LP PROPANE		.04															
LP MATERIALS		.26															
OIL AND GAS DRILLING	138	.50	279.3	275.5	274.0	277.2	304.3	323.9	332.3	339.2	335.2	327.8	322.5	318.1	313.5	307.2	
FOODS	20	8.75															
MEAT PRODUCTS	201	1.17	114.0	114.8	111.6	109.2	117.9	113.8	116.1	113.6	111.4	115.2	115.2	113.4	112.8	114.2	
BEEF		.40	125.0	121.8	121.2	121.7	129.6	120.7	125.0	120.5	114.2	115.8	120.3	119.1	118.0	119.4	
PORK		.55	105.0	110.8	102.5	97.4	108.8	104.7	107.0	103.7	104.1	112.8	109.9	107.4	106.8	110.3	
MISC. MEATS		.22	116.5	112.1	116.9	116.0	119.8	123.8	123.6	126.8	124.4	119.9	119.2	117.6	118.7	114.9	
DAIRY PRODUCTS	202	1.14	117.4	119.9	119.2	119.0	118.7	119.7	119.8	118.9	119.4	119.8	120.6	121.5	122.5	123.2	
BUTTER	2021	.04	89.2	94.9	88.4	97.1	93.2	83.6	84.9	73.2	69.0	79.0	74.4	85.7	82.3	77.4	
CHEESE	2022	.07	219.0	229.7	231.2	230.8	230.0	233.9	224.0	224.5	225.5	222.5	232.1	239.2	248.9	260.4	
CONCENTRATED MILK	2023	.12	59.6	60.8	58.5	59.2	54.0	54.5	54.3	51.3	52.0	56.2	55.2	54.5	51.7	51.1	
FROZEN DESSERTS	2024	.13	126.6	131.6	128.6	121.3	123.7	129.8	135.7	130.9	132.0	130.3	132.4	130.6	136.1	135.8	
CANNED AND FROZEN FOODS	203	1.18	162.3	164.3	168.0	162.4	160.9	162.8	161.2	161.8	162.3	161.6	162.5	163.8	162.2	163.5	
GRAIN MILL PRODUCTS	204	.95	167.9	169.9	170.5	165.7	170.1	177.8	182.9	179.8	174.3	176.3	177.3	174.5	177.3	178.0	
FLOUR & CORN MILL.	2041,6	.28	106.5	109.0	110.9	104.0	111.3	115.1	127.4	118.1	111.2	119.4	115.5	104.1	111.4	115.5	
BAKERY PRODUCTS	205	1.15	112.5	114.0	116.4	115.3	115.9	115.8	116.8	116.6	117.0	118.2	118.8	121.0	118.5	119.8	
SUGAR	206	.21	126.4	133.0	127.6	109.9	119.0	116.7	136.4	129.6	123.5	115.3	111.7	117.1	124.8	123.0	
CONFECTIONERY	207	.41	108.2	108.1	122.8	104.5	113.3	99.4	125.2	111.2	100.1	111.6	122.7	94.5	97.7	97.5	
BEVERAGES	208	1.58	167.6	168.4	167.6	174.5	176.0	172.6	181.1	177.8	175.7	185.3	186.7	185.7	183.9	185.2	
BEER AND ALE	2082,3	.52	147.0	147.6	145.1	152.4	155.2	146.5	156.7	151.7	145.0	156.4	162.5	154.2	156.3		
WINES AND BRANDY	2084	.07	217.3	219.2	213.5	204.5	211.3	222.8	236.9	233.5	201.0	263.8	250.1	246.1			
LIQUORS	2085	.24	122.1	124.8	116.9	140.5	138.0	126.4	144.1	118.2	126.0	133.9	132.6	135.5	130.7	133.1	
SOFT DRINKS	2086,7	.74	192.5	192.8	195.7	198.4	200.0	202.9	205.1	210.7	211.2	215.8	215.6	219.0	218.2	218.5	
MISC. FOOD PREPARATIONS	209	.97	129.3	132.9	132.1	134.0	134.6	136.4	135.0	136.2	134.8	137.0	143.2	141.4	142.6	141.0	
FATS AND OILS	2091-4,6	.30	124.5	131.1	127.1	123.4	131.4	138.9	135.2	135.0	135.9	136.7	141.9	143.2	141.9	135.3	
COFFEE, MISC. FOOD	2095,7-9	.67	131.5	133.8	134.4	138.8	136.0	135.3	135.0	136.7	134.4	137.2	143.8	140.6	142.8		
TOBACCO PRODUCTS	21	.67															
CIGARETTES	211	.54	114.6	117.7	123.4	113.0	120.5	115.9	132.5	116.9	126.5	116.4	117.5	122.5	119.7	119.6	
CIGARS	212	.07	67.4	68.0	73.8	64.7	68.8	66.6	74.1	71.2	71.7	62.2	60.7	63.9	59.5	60.7	
TEXTILE MILL PRODUCTS	22	2.69															
FABRICS	221-4	1.05	98.0	101.2	105.0	98.2	98.8	97.9	100.1	98.1	97.5	97.1	98.0	100.2	102.0	102.3	
COTTON FABRICS	221,4	.60	76.5	77.4	75.9	74.8	74.4	73.3	74.4	73.2	70.3	72.8	71.3	73.2	75.0	73.6	
MAN-MADE FABRICS	222	.30	163.2	170.9	184.7	168.9	167.7	165.1	170.6	165.8	168.2	165.6	169.2	173.4	175.8		
WOOL FABRICS	223	.14	49.9	53.5	58.0	47.1	55.4	59.1	59.0	59.8	61.9	58.3	58.6	59.1	59.1		
KNIT GOODS	225	.63	194.3	196.2	201.7	187.0	189.6	183.7	194.4	189.7	192.1	195.8	188.9	199.5	196.7	199.0	
HOSIERY	2251,2	.21	184.0	190.0	199.5	174.5	187.9	167.5	193.1	181.4	188.3	195.3	173.1	195.3	192.4	200.7	
KNIT GARMENTS	2253-9	.42	199.6	199.6	202.7	193.5	190.6	191.9	195.2	193.9	194.0	196.0	197.2	201.4	198.8	198.2	
FABRIC FINISHING	226	.23	146.0	143.6	157.8	144.9	141.8	139.0	148.8	158.0	160.1	178.5	163.3	165.0	158.8		
CARPETING	227	.20	180.5	200.6	191.4	182.6	171.0	168.9	176.1	182.7	184.7	195.8	190.3	189.3	193.4	187.3	
YARN & MISC. TEXTILES	228,9	.57	127.0	132.2	134.6	133.7	133.4	130.6	135.5	133.1	134.3	133.0	130.3	130.2	135.3	131.5	
APPAREL PRODUCTS	23	3.33															
MEN'S OUTERWEAR	231,2	1.06	111.1	105.0	116.7	103.0	110.7	107.4	112.2	111.9	109.6	102.5	110.8	120.6	125.9	114.8	
MEN'S SUITS AND COATS	231	.34	91.8	92.9	100.2	87.6	90.0	96.6	96.1	96.3	102.5	99.1	100.8	107.7	102.8		
MEN'S FURNISHINGS	232	.69	122.5	112.4	126.7	112.0	122.6	114.4	122.0	121.5	114.7	105.7	117.5	129.1	139.9		
WOMEN'S OUTERWEAR	233	1.05	152.4	150.2	153.2	135.4	142.4	144.1	162.9	154.1	157.6	149.6	163.1	164.8	151.6	160.0	
MISC. APP. & ALLIED GDS	234-9	1.20	111.9	115.5	117.1	115.4	113.2	116.0	117.0	116.1	117.9	119.0	115.8	117.2	117.3	119.1	
LUMBER AND PRODUCTS	24	1.64															
LOGGING AND LUMBER	241,2	.82	110.5	104.7	118.1	111.6	110.4	107.5	110.9	106.6	111.5	113.7	108.8	115.0	116.2	115.6	
LUMBER	242	.59	110.6	103.7	119.6	109.6	108.9	103.7	109.9	106.0	110.6	112.8	106.4	113.6	112.1		
LUMBER PRODUCTS	243,4,9	.82	156.2	161.0	164.2	164.4	162.5	165.9	163.0	166.2	164.9	161.9	162.5	164.5	167.0	167.1	
MILLWORK AND PLYWOOD	243	.50	168.9	173.4	178.1	180.2	175.8	180.2	175.4	181.9	179.6	174.7	175.6	178.2	180.3		
PLYWD, PREFAB PROD	2432,3	.29	187.7	188.0	193.3	199.9	191.5	197.1	188.3	198.7	195.7	187.3	191.5	195.6	202.2		
FURNITURE AND FIXTURES	25	1.37															
HOUSEHOLD FURNITURE	251	.87	145.8	151.6	154.5	152.1	158.6										

Table 7.
DETAILED OUTPUT SERIES

Not Seasonally Adjusted, 1967=100

INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES	SIC CODE	1967	1977		1978												
		PRO- POR- TION	AVG.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	
METAL MINING	10	.51															
IRON ORE	101,6	.24	74.3	25.0	60.8	82.3	85.4	102.0	101.1	123.3	131.7	122.5	121.1	120.9	114.3	108.4	
NONFERROUS ORES	102-5,8,9	.27	133.3	132.8	129.9	133.9	138.0	136.9	138.7	135.8	132.1	108.9	126.2	129.2	134.3	132.1	
COPPER ORE	102	.14	158.1	155.9	150.3	157.0	166.2	161.0	168.4	161.2	160.3	122.5	150.9	154.3	163.3	159.8	
LEAD AND ZINC ORES	103	.03	103.3	100.0	99.1	97.4	99.8	105.6	101.8	99.7	74.1	64.1	83.2	87.1	94.6	86.4	
ANTHRACITE	11	.03	50.8	57.8	41.5	41.5	36.1	51.6	61.0	59.9	57.4	57.6	62.7	58.1	54.5	51.1	
BITUMINOUS COAL	12	.66	120.8	140.6	68.7	53.9	60.3	83.6	140.5	141.1	140.6	117.2	127.2	121.2	149.9	149.8	
OIL AND GAS EXTRACTION	13	4.40															
CRUDE OIL & NATURAL GAS	131	3.61	95.7	95.9	96.3	98.6	97.1	97.3	101.4	98.8	99.9	100.0	99.4	98.6	98.5	98.9	
CRUDE OIL, TOTAL		2.94	92.4	93.0	92.7	95.4	92.8	94.1	100.0	96.3	97.5	98.0	97.6	97.4	97.3	97.3	
ALASKA, CALIF. CRUDE		.31	136.1	168.0	170.0	173.7	159.4	191.1	217.9	199.6	211.3	212.3	213.4	213.3	217.8	218.0	
TEXAS CRUDE		1.07	101.3	98.0	98.0	101.0	99.7	95.0	100.0	96.0	95.5	95.9	95.0	94.0	93.5	93.5	
LA. AND OTHER CRUDE		1.57	77.7	75.0	74.0	76.3	75.1	74.6	77.0	76.4	76.8	77.1	76.9	77.2	76.5	76.3	
NATURAL GAS		.67	110.4	108.5	112.1	112.8	116.2	111.5	107.8	109.5	110.5	108.9	107.0	103.7			
NATURAL GAS LIQUIDS	132	.30															
LP PROPANE		.04															
LP MATERIALS		.26															
OIL AND GAS DRILLING	138	.50	279.3	294.8	298.7	296.9	297.9	301.2	306.7	313.8	319.1	321.9	324.4	325.4	327.3	328.7	
FOODS	20	8.75															
MEAT PRODUCTS	201	1.17	114.0	121.1	110.6	110.2	113.3	112.3	115.1	111.6	111.3	106.0	114.0	116.0	122.2	120.5	
BEEF		.40	125.0	123.9	119.4	123.8	127.0	118.6	121.4	118.2	116.8	119.9	120.1	120.1	125.3	121.4	
PORK		.55	105.0	119.4	104.4	101.1	106.3	108.9	112.2	103.9	100.6	94.5	101.7	107.6	113.1	118.9	
MISC. MEATS		.22	116.5	119.7	110.4	108.7	105.9	109.4	111.0	119.4	127.8	121.9	134.0	129.5	139.0	122.7	
DAIRY PRODUCTS	202	1.14	117.4	112.3	113.4	113.9	116.8	120.5	123.2	124.5	129.2	125.1	122.7	119.6	117.5	115.6	
BUTTER	2021	.04	89.2	79.4	85.0	105.2	101.4	91.1	102.1	90.2	82.2	73.1	59.8	64.0	69.1	64.8	
CHEESE	2022	.07	219.0	199.4	214.3	213.5	225.2	243.7	247.7	257.7	270.1	233.6	224.2	216.0	220.8	226.0	
CONCENTRATED MILK	2023	.12	59.6	43.3	50.0	51.2	50.5	56.6	63.5	68.5	72.7	62.7	54.0	44.8	40.0	36.4	
FROZEN DESSERTS	2024	.13	126.6	104.5	95.3	92.7	110.1	126.8	136.5	139.9	169.9	164.7	159.8	142.9	123.3	107.8	
CANNED AND FROZEN FOODS	203	1.18	162.3	167.9	153.7	151.2	154.1	153.0	152.0	154.4	158.9	156.9	171.8	193.9	185.5	167.1	
GRAIN MILL PRODUCTS	204	.95	167.9	174.3	174.1	165.9	170.4	173.7	172.8	167.4	172.0	173.8	182.6	180.8	187.2	182.6	
FLOUR & CORN MILL.	2041,6	.28	106.5	108.1	112.5	104.9	115.4	112.0	119.4	110.9	111.0	112.7	115.4	113.0	119.6	114.6	
BAKERY PRODUCTS	205	1.15	112.5	113.3	111.4	108.5	107.1	108.0	110.0	112.8	121.0	127.0	130.2	132.3	124.1	119.1	
SUGAR	206	.21	126.4	174.4	159.0	120.9	105.7	103.6	114.3	113.3	114.4	95.0	98.0	110.7	159.5	161.3	
CONFECTIONERY	207	.41	108.2	116.5	100.3	95.8	122.0	101.5	109.4	93.2	88.5	78.2	132.3	145.0	115.2	105.1	
BEVERAGES	208	1.58	167.6	163.3	154.5	158.1	156.6	168.1	180.0	178.3	193.8	194.4	201.3	198.5	189.8	179.6	
BEER AND ALE	2082,3	.52	147.0	123.8	121.2	132.6	142.8	150.3	171.7	163.8	173.9	176.1	174.2	153.9	144.4		
WINES AND BRANDY	2084	.07	217.3	261.3	263.2	205.9	193.3	233.0	220.6	210.4	204.2	188.6	216.1	240.2			
LIQUORS	2085	.24	122.1	143.0	116.5	122.7	119.8	130.6	138.8	112.8	137.2	105.4	129.3	145.9	160.7	152.5	
SOFT DRINKS	2086,7	.74	192.5	189.1	180.8	183.3	175.2	187.1	195.7	207.1	225.3	236.7	242.6	243.5	225.4	214.3	
MISC. FOOD PREPARATIONS	209	.97	129.3	138.1	137.5	138.8	142.5	137.2	137.2	133.5	130.8	127.0	135.9	137.6	142.7	146.4	
FATS AND OILS	2091-4,6	.30	124.5	143.9	136.6	135.6	141.9	143.9	134.3	130.4	129.0	118.5	127.7	129.7	146.9	148.2	
COFFEE, MISC. FOOD	2095,7-9	.67	131.5	135.5	138.0	140.2	142.8	134.2	138.5	134.9	131.6	130.9	139.6	141.2	140.8		
TOBACCO PRODUCTS	21	.67															
CIGARETTES	211	.54	114.6	118.9	95.5	116.1	126.8	116.9	128.5	118.5	134.1	101.6	127.0	126.9	131.0	120.8	
CIGARS	212	.07	67.4	73.1	56.8	64.2	72.8	68.3	73.7	71.6	69.7	46.8	65.9	69.1	70.8	65.2	
TEXTILE MILL PRODUCTS	22	2.69															
FABRICS	221-4	1.05	98.0	101.5	96.8	102.3	104.8	103.8	102.6	103.1	100.8	80.3	97.8	97.7	102.1	102.7	
COTTON FABRICS	221,4	.60	76.5	78.5	70.2	77.0	78.4	77.6	75.9	75.8	72.2	60.3	72.2	71.7	75.9	74.6	
MAN-MADE FABRICS	222	.30	163.2	173.1	171.2	174.8	176.4	173.9	172.6	173.6	173.6	135.0	169.0	172.0	177.9		
WOOL FABRICS	223	.14	49.9	47.1	50.1	54.6	63.8	64.9	67.0	69.0	66.5	48.6	54.4	49.9	52.0		
KNIT GOODS	225	.63	194.3	193.5	176.7	162.7	181.3	181.1	194.6	191.6	209.2	191.1	209.7	219.0	204.0	196.0	
HOSIERY	2251,2	.21	184.0	181.6	159.6	157.2	191.7	186.1	208.0	199.4	189.6	184.3	204.7	193.0	191.9		
KNIT GARMENTS	2253-9	.42	199.6	199.6	185.5	165.6	176.1	178.5	187.8	198.0	214.2	191.9	222.6	226.4	209.5	198.2	
FABRIC FINISHING	226	.23	146.0	147.0	144.4	144.6	149.2	149.8	156.2	165.1	168.7	128.7	164.3	163.5	166.9		
CARPETING	227	.20	180.5	207.6	186.3	160.9	159.4	177.2	190.9	185.8	187.3	179.2	178.7	202.5	212.7	193.9	
YARN & MISC. TEXTILES	228,9	.57	127.0	132.5	123.3	133.2	137.1	133.0	138.5	137.4	138.1	114.5	136.9	129.9	140.4	131.8	
APPAREL PRODUCTS	23	3.33															
MEN'S OUTERWEAR	231,2	1.06	111.1	105.7	100.4	102.0	115.7	117.1	122.4	114.3	115.9	78.4	109.9	126.0	129.6	115.4	
MEN'S SUITS AND COATS	231	.34	91.8	97.3	86.3	87.2	92.5	104.6	109.0	102.6	101.7	64.2	101.4	113.6	111.5		
MEN'S FURNISHINGS	232	.69	122.5	111.4	108.7	110.7	129.1	125.3	131.1	122.0	124.8	85.8	115.7	134.3	141.0		
WOMEN'S OUTERWEAR	233	1.05	152.4	143.3	119.5	131.6	154.6	155.1	169.6	148.9	163.4	138.7	169.3	173.5	161.6	152.6	
MISC. APP. & ALLIED GDS	234-9	1.20	111.9	114.7	110.5	104.8	107.8	110.0	111.3	113.1	124.2	119.6	129.4	129.1	122.9	118.3	
LUMBER AND PRODUCTS	24	1.64															
LOGGING AND LUMBER	241,2	.82	110.5	101.7	103.1	98.5	108.6	106.4	115.7	107.2	119.4	115.2	114.3	123.0	121.8	112.1	
LUMBER	242	.59	110.6	98.9	102.6	99.1	111.3	107.4	119.8	106.7	116.1	109.0	108.7	119.9	116.1		
LUMBER PRODUCTS	243,4,9	.82	156.2	160.4	156.8	158.3	163.2	168.7	165.4	169.4	168.7	154.9	166.1	164.7	171.3	166.1	
MILLWORK AND PLYWOOD	243	.50	168.9	171.1	166.3	171.9	175.4	183.6	178.6	185.7	184.8	166.1	183.0	178.6	187.9		
PLYWD, PREFAB PROD	2432,3	.29	187.7	184.6	174.2	190.5	196.										

Table 6. (continued)
DETAILED OUTPUT SERIES
 Seasonally Adjusted, 1967=100

INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES	SIC CODE	1967		1977		1978											
		PRO- TION	AVG.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	
PAPER AND PRODUCTS	26	3.21															
PULP AND PAPER	261-3	1.38	132.2	128.3	129.5	133.5	135.0	136.4	138.3	138.1	140.1	132.3	129.7	135.3	133.8	134.3	
WOOD PULP	261	.50	127.8	126.5	123.8	128.3	126.9	129.4	131.5	127.8	132.7	123.7	122.3	133.8	127.0	128.0	
PAPER	262	.54	134.6	134.6	131.9	139.4	139.0	138.7	141.5	142.2	142.6	134.5	126.8	130.0	133.8	133.7	
PAPERBOARD	263	.34	135.0	121.3	134.2	131.7	140.8	143.2	142.9	146.6	146.3	141.6	145.3	146.1	143.8	144.1	
CONVERTED PAPER PROD.	264	.93	145.5	149.2	149.7	150.7	156.3	158.5	157.0	159.1	162.0	153.1	151.8	147.7	154.8	154.9	
SANITARY PAPER PROD.	2647	.18	133.3	129.3	133.3	135.3	130.1	137.6	138.6	140.3	143.8	129.0	114.8	113.9	120.7	118.0	
PAPERBOARD CONTAINERS	265	.84	138.6	141.5	143.6	137.6	147.6	147.8	153.9	154.5	159.7	139.8	154.8	147.6	154.6	149.7	
BUILDING PAPER AND BOARD	266	.06	112.8	121.2	118.4	109.3	115.2	113.7	113.6	116.1	113.9	110.8	115.9	111.8	101.6	120.0	
PRINTING AND PUBLISHING	27	4.72															
NEWSPAPERS	271	1.38	102.0	105.8	105.9	104.8	104.8	105.2	107.6	106.7	107.7	109.7	105.8	104.2	103.7	111.9	
PERIOD., BOOKS, CARDS	272, 3, 7	1.38	119.6	122.7	124.9	126.7	120.8	122.2	119.0	119.7	118.1	121.7	121.4	123.7	118.1	121.6	
JOB PRINTING	274-6, 8, 9	1.96	144.4	143.2	145.8	150.1	149.3	151.6	150.9	148.8	151.4	152.5	152.0	153.7	153.9	152.9	
CHEMICALS AND PRODUCTS	28	7.74															
CHEMICALS & SYN. MAT.	281, 2	3.79	196.8	198.2	195.9	199.5	199.7	204.8	205.7	210.5	213.8	212.7	213.4	215.7	216.2	219.1	
BASIC CHEMICALS	281	2.54	165.3	164.3	164.1	165.1	163.0	167.3	171.0	174.9	178.7	174.5	177.3	179.2	176.2	179.5	
ALKALIES & CHLORINE	2812	.14	116.7	112.1	111.5	111.4	118.2	109.8	117.7	114.6	119.9	118.6	120.0	120.9	118.1		
GASES, ETC.	2813, 5, 6	.48	171.9	176.2	176.5	174.9	164.8	185.1	184.0	184.7	180.9	177.0	182.8	190.8			
BASIC ORG. CHEM.	2818	1.18	193.2	192.1	193.0	192.9	202.8	204.0	206.6	207.5	211.4	207.0	207.5	206.6	204.4	209.2	
INORG. CHEM. NEC	2819	.75	126.5	122.8	121.0	124.7	108.0	109.0	117.1	128.4	137.3	132.9	137.0	139.8	135.5	133.8	
ACIDS & FERTILIZER MAT.		.55	121.7	118.4	119.6	121.9	122.4	125.9	130.9	127.2	132.4	131.3	137.1	136.7	137.2	133.3	
SULFURIC ACID, ETC.		.41	114.5	111.8	112.4	114.6	115.7	117.4	123.4	120.1	127.7	125.2	133.1	133.1	133.0		
FERTILIZER MATERIALS		.14	142.6	137.8	139.8	143.2	141.2	150.2	152.7	147.6	146.1	148.5	148.9	146.8	149.0	149.4	
ERDA NUCLEAR MATLS		.15	153.8	145.9	132.3	142.1	56.7	48.2	70.6	139.4	165.7	147.0	147.3	160.7	138.1	143.4	
SYNTHETIC MATERIALS	282	1.25	260.8	267.5	259.2	269.5	274.5	281.4	276.6	283.2	284.9	290.5	286.9	290.1	297.8	300.1	
PLASTICS MATERIALS	2821	.54	320.3	334.3	324.3	341.8	328.9	353.4	358.8	356.4	362.5	376.9	371.2	369.0	383.3		
SYNTHETIC RUBBER	2822	.13	124.4	124.0	122.5	117.8	126.4	125.5	128.6	124.9	124.3	124.3	127.7	130.6	127.3		
MAN-MADE FIBERS	2823, 4	.58	236.8	238.4	230.1	237.1	258.0	250.1	234.4	251.9	249.6	248.3	244.8	253.4	257.7	265.9	
CHEMICAL PRODUCTS	283-7, 9	3.95	165.3	170.6	169.8	170.1	168.4	167.9	167.2	167.2	170.9	171.6	173.9	171.9	174.8	178.1	
DRUGS AND MEDICINES	283	1.34	211.6	216.3	216.7	214.8	212.7	212.4	213.3	214.1	219.3	220.6	220.9	215.9	218.6	221.1	
SOAP AND TOILETRIES	284	1.29	148.3	156.1	155.7	159.1	154.8	152.5	151.1	148.9	153.2	151.0	156.6	158.5	161.0	164.3	
PAINTS	285	.43	108.5	112.7	107.2	104.2	108.8	109.3	106.2	112.2	112.0	113.9	118.0	110.9	117.1	125.6	
AGRICULTURAL CHEMICALS	287	.33	207.5	214.8	210.1	213.6	213.6	212.4	207.7	206.4	210.1	219.0	219.2	218.7	220.6	223.1	
PETROLEUM PRODUCTS	29	1.79															
PETROLEUM REFINING	291, 9	1.64	141.6	142.0	136.4	139.3	138.0	140.8	141.2	146.9	141.4	144.6	143.0	147.2	143.7	148.1	
AUTOMOTIVE GASOLINE		.84	141.9	144.1	136.6	142.4	141.2	144.5	141.1	145.4	141.6	143.3	141.1	144.9	142.0	151.1	
DISTILLATE FUEL OIL		.29	147.0	148.9	140.2	136.3	128.8	139.4	139.2	150.3	137.7	145.2	147.9	150.8	151.1	148.9	
RESIDUAL FUEL OIL		.05	226.4	207.8	194.6	199.9	200.1	209.9	216.5	240.0	230.8	243.3	252.0	254.3	234.8	211.4	
AVIATION FUEL & KEROS.		.17	100.9	94.3	96.4	101.5	97.8	82.4	104.9	108.2	101.6	102.8	97.6	107.6	94.4	99.1	
MISC. PETROLEUM PROD.		.28															
REFINERY FUEL NEC		.06															
REFINERY NONFUEL MAT.		.14															
REFINERY PRODUCTS NEC		.08															
RUBBER & PLASTICS PROD.	30	2.24															
TIRES	301	.60	165.2	162.1	155.9	147.6	149.0	156.6	169.8	163.6	163.4	179.9	173.2	169.8	171.8	177.6	
RUB. PROD. EX. TIRES	302, 3, 6	.66	153.2	153.9	154.4	153.0	153.0	153.6	156.0	156.3	158.5	159.7	159.5	160.2	158.9	158.2	
PLASTICS PRODUCTS NEC	307	.98	326.7	347.5	352.5	357.1	358.7	359.9	363.4	372.5	376.4	388.0	389.3	387.7	381.6	389.6	
LEATHER AND PRODUCTS	31	.86															
PERS. LEATHER GDS.	313, 5-7, 9	.22	98.7	97.2	93.8	92.4	91.3	96.1	100.1	98.1	98.4	93.5	94.1	95.4	95.5	95.0	
SHOES	314	.53	64.8	70.4	67.1	65.5	63.7	58.3	69.2	64.7	64.5	64.5	63.9	63.0	62.7	67.5	
CLAY, GLASS, & ST. PROD.	32	2.74															
PRESSED AND BLOWN GLASS	322	.49	143.9	157.1	146.7	152.8	153.9	152.8	159.4	156.7	154.4	154.9	152.1	159.9	150.9	166.1	
GLASS CONTAINERS	3221	.28	136.4	154.0	135.8	145.2	149.3	144.6	154.5	148.4	142.9	141.7	133.6	149.3	137.0	158.3	
CEMENT	324	.27	112.1	113.9	121.9	89.3	93.0	115.1	125.3	123.3	128.1	121.8	120.9	120.8	126.2		
STRUCTURAL CLAY PRODUCTS	325	.20	114.4	120.8	123.7	118.8	119.8	119.8	125.2	126.7	123.8	126.7	123.8	127.7	127.8	128.2	
BRICK	3251	.08	114.6	127.5	129.6	116.9	120.0	121.5	123.5	128.9	133.9	125.1	130.7	130.5	128.7	132.7	
CONCRETE, MISC. CLAY MFR.	326-9	1.51	147.4	151.0	151.0	154.9	155.1	157.9	159.3	160.5	163.0	164.4	165.6	164.8	167.9	167.7	
PRIMARY METALS	33	6.57															
IRON AND STEEL	331, 2	4.21															
BASIC STEEL & MILL PRD	331	3.34	102.1	100.8	101.2	99.5	94.6	95.2	109.1	112.7	117.5	124.3	119.7	123.5	124.3	122.2	
BASIC IRON AND STEEL		1.34	97.4	95.7	94.7	91.4	89.7	88.2	97.4	104.7	109.4	110.5	114.7	115.2	115.3	114.2	
PIG IRON		.46	92.7	88.8	88.3	85.3	85.2	86.8	92.0	100.0	104.8	105.7	108.6	110.7	110.3	109.5	
RAW STEEL		.72	103.7	102.8	102.8	100.9	100.4	99.6	107.4	113.8	118.6	119.3	125.5	124.8	124.6	123.1	
COKE AND PRODUCTS		.16	83.0	83.1	76.1	66.0	53.9	40.6	67.7	77.2	81.0	83.7	82.8	85.9	86.8	86.9	
STEEL MILL PRODUCTS		2.01	105.3	104.2	105.7	104.9	98.0	99.8	116.9	118.1	122.9	133.6	123.1	129.0	130.4	127.6	
CONSUMER DUR. STEEL		.31	122.5	121.4	120.0	115.4	101.5	97.0	113.9	121.4	128.9	149.8	134.1	144.1	148.8	139.9	
EQUIPMENT STEEL		.51	113.2	115.9	116.3	111.8	103.3	107.4	126.8	131.8	134.5	149.8	139.5	142.1	141.5	136.3	
CONSTRUCTION STEEL		.41	68.3	69.8	68.4	73.0	61.7	62.8	75.1	74.0	78.6	88.6	79.5	80.2	84.3	8	

Table 7. (continued)
DETAILED OUTPUT SERIES

Not Seasonally Adjusted, 1967=100

INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES	SIC CODE	1967	1977	1977		1978											
		PRO- POR- TION	AVG.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	
PAPER AND PRODUCTS	26	3.21															
PULP AND PAPER	261-3	1.38	132.2	129.8	117.6	133.2	139.6	141.0	143.1	141.1	143.0	123.4	130.6	130.6	137.9	135.6	
WOOD PULP	2611	.50	127.8	128.8	112.0	127.8	129.4	133.2	136.0	130.5	136.3	117.9	123.5	128.6	130.0	130.3	
PAPER	262	.54	134.6	135.9	123.1	139.4	145.0	144.0	146.5	144.5	144.7	122.9	125.8	126.4	138.1	135.0	
PAPERBOARD	263	.34	135.0	121.8	117.3	131.2	146.0	147.9	148.0	151.6	150.2	132.1	148.8	140.3	149.4	144.7	
CONVERTED PAPER PROD.	264	.93	145.5	150.2	138.8	152.7	162.6	165.6	162.7	162.6	162.8	141.2	149.4	143.9	159.1	155.8	
SANITARY PAPER PROD.	2647	.18	133.3	131.2	124.2	135.4	136.5	142.8	143.6	143.2	143.2	119.3	113.8	108.7	125.7	119.8	
PAPERBOARD CONTAINERS	265	.84	138.6	141.6	128.7	131.3	149.5	151.9	156.4	153.4	162.4	131.8	157.3	154.1	166.3	149.8	
BUILDING PAPER AND BOARD	266	.06	112.8	116.4	100.3	99.0	118.2	118.9	121.6	121.3	117.3	105.7	123.7	112.1	105.8	115.2	
PRINTING AND PUBLISHING	27	4.72															
NEWSPAPERS	271	1.38	102.0	114.2	106.6	96.4	102.4	107.0	112.4	112.6	107.8	98.6	99.3	103.9	109.7	120.9	
PERIOD., BOOKS, CARDS	272, 3, 7	1.38	119.6	120.6	114.4	114.2	113.7	114.5	112.9	113.6	123.3	130.0	136.7	138.2	126.0	119.5	
JOB PRINTING	274-6, 8, 9	1.96	144.4	142.9	135.9	132.1	134.2	136.3	138.8	143.9	159.1	168.0	173.7	175.8	163.7	152.6	
CHEMICALS AND PRODUCTS	28	7.74															
CHEMICALS & SYN. MAT.	281, 2	3.79	196.8	199.0	194.9	193.5	199.3	205.2	209.0	212.6	215.9	207.0	211.5	218.1	218.4	220.0	
BASIC CHEMICALS	281	2.54	165.3	165.6	166.1	162.1	158.6	165.1	171.5	175.4	177.8	173.5	176.2	180.5	181.1	180.9	
ALKALIES & CHLORINE	2812	.14	116.7	115.9	113.0	107.4	118.7	108.3	119.5	116.3	118.9	117.9	119.0	118.6	118.9		
GASES, ETC.	2813, 5, 6	.48	171.9	169.5	176.7	166.0	168.3	184.2	186.0	188.0	189.0	177.0	179.0	191.9			
BASIC ORG. CHEM.	2818	1.18	193.2	195.7	195.7	191.4	189.8	197.9	203.3	203.6	209.5	210.7	212.3	213.4	211.8	213.2	
INORG. CHEM. NEC	2819	.75	126.5	125.5	123.1	124.0	111.0	112.2	122.3	134.2	131.8	123.2	128.6	133.2	139.0	136.3	
ACIDS & FERTILIZER MAT.	2819	.55	121.7	119.9	119.2	117.0	126.4	128.9	136.7	133.1	132.9	124.6	130.9	133.6	136.7	134.9	
SULFURIC ACID, ETC.	2819	.41	114.5	113.8	112.7	110.4	119.2	119.2	126.5	124.9	128.1	120.7	127.5	130.6	132.5		
FERTILIZER MATERIALS	2819	.14	142.6	137.5	137.7	135.6	147.3	156.8	166.0	157.0	147.0	135.9	140.6	142.0	148.6	149.1	
ERDA NUCLEAR MATLS	2819	.15	153.8	153.3	143.9	156.6	56.9	52.9	75.1	147.5	136.4	122.9	127.7	139.5	157.6	150.7	
SYNTHETIC MATERIALS	282	1.25	260.8	267.0	253.5	257.4	282.2	287.0	285.5	288.3	293.4	275.1	283.5	294.7	294.5	299.8	
PLASTICS MATERIALS	2821	.54	320.3	331.3	316.5	318.6	339.1	363.7	371.7	364.2	375.6	352.0	366.0	380.1	381.8		
SYNTHETIC RUBBER	2822	.13	124.4	122.4	119.1	118.0	129.3	127.4	134.6	127.9	121.7	118.7	125.9	129.8	128.6		
MAN-MADE FIBERS	2823, 4	.58	236.8	240.5	225.7	232.6	264.5	252.4	240.0	254.7	256.3	239.4	243.1	253.1	251.3	268.3	
CHEMICAL PRODUCTS	283-7, 9	3.95	165.3	167.5	157.9	156.8	160.0	163.4	165.5	168.4	179.3	180.0	180.2	184.3	181.6	174.7	
DRUGS AND MEDICINES	283	1.34	211.6	214.4	197.0	194.0	197.4	198.8	205.4	212.0	233.6	238.3	235.0	238.6	232.4	219.1	
SOAP AND TOILETRIES	284	1.29	148.3	153.9	147.6	146.5	148.6	151.3	148.7	148.8	156.3	158.5	158.8	170.7	168.2	162.0	
PAINTS	285	.43	108.5	98.6	84.5	89.4	105.8	112.2	115.9	122.9	130.3	118.7	126.1	116.2	113.2	109.5	
AGRICULTURAL CHEMICALS	287	.33	207.5	210.5	210.3	207.6	207.2	220.5	220.0	215.7	213.7	212.0	214.6	212.6	219.5	218.6	
PETROLEUM PRODUCTS	29	1.79															
PETROLEUM REFINING	291, 9	1.64	141.6	142.6	138.9	138.9	135.9	135.7	135.8	142.8	143.7	148.6	147.4	148.5	144.9	148.7	
AUTOMOTIVE GASOLINE	291	.84	141.9	143.8	138.1	141.1	135.3	137.3	134.3	142.5	144.7	151.0	148.4	148.2	142.7	150.8	
DISTILLATE FUEL OIL	291	.29	147.0	151.4	148.5	142.3	134.3	136.5	132.0	143.1	139.1	143.5	146.1	146.1	152.0	151.4	
RESIDUAL FUEL OIL	291	.05	226.4	219.2	235.3	243.1	237.7	222.1	206.5	214.6	207.3	214.6	217.2	223.3	212.7	223.0	
AVIATION FUEL & KEROS.	291	.17	100.9	96.5	98.3	102.7	104.2	85.2	105.2	103.7	97.2	97.8	94.3	106.6	96.1	101.4	
MISC. PETROLEUM PROD.	291	.28															
REFINERY FUEL NEC	291	.06															
REFINERY NONFUEL MAT.	291	.14															
REFINERY PRODUCTS NEC	291	.08															
RUBBER & PLASTICS PROD.	30	2.24															
TIRES	301	.60	165.2	156.3	148.9	157.3	170.5	175.1	175.6	158.4	163.9	130.6	157.8	171.5	183.3	171.0	
RUB. PROD. EX. TIRES	302, 3, 6	.66	153.2	158.4	154.9	148.6	154.5	153.4	155.1	155.7	160.7	150.1	160.8	162.8	162.2	162.6	
PLASTICS PRODUCTS NEC	307	.98	326.7	355.8	340.5	333.2	366.6	366.7	368.1	376.2	384.7	362.8	388.1	393.1	397.2	398.9	
LEATHER AND PRODUCTS	31	.86															
PERS. LEATHER GDS.	313, 5-7, 9	.22	98.7	102.1	94.8	87.6	90.0	95.3	96.6	96.6	100.6	89.1	96.6	97.5	99.0	99.7	
SHOES	314	.53	64.8	65.8	61.1	64.9	68.0	62.6	71.8	64.2	67.7	53.9	65.2	65.5	65.5	63.1	
CLAY, GLASS, & ST. PROD.	32	2.74															
PRESSED AND BLOWN GLASS	322	.49	143.9	151.0	130.0	141.3	150.8	157.1	160.7	160.1	163.4	155.5	158.3	159.3	159.3	160.1	
GLASS CONTAINERS	3221	.28	136.4	144.0	113.7	136.6	147.7	151.8	156.2	153.2	156.2	141.6	143.0	146.2	145.2	148.0	
CEMENT	324	.27	112.1	110.6	81.9	49.1	64.7	96.6	127.1	138.0	159.3	143.0	154.7	145.9	155.1		
STRUCTURAL CLAY PRODUCTS	325	.20	114.4	123.3	118.8	112.9	115.8	118.8	122.3	127.7	129.7	123.3	130.2	127.2	130.7	131.7	
BRICK	3251	.08	114.6	130.1	116.5	100.9	110.6	122.2	127.1	136.4	139.4	127.4	140.0	132.1	135.9	135.4	
CONCRETE, MISC. CLAY MFR.	326-9	1.51	147.4	155.8	149.0	147.6	150.1	153.6	159.8	161.6	166.8	162.3	167.9	168.6	172.4	173.1	
PRIMARY METALS	33	6.57															
IRON AND STEEL	331, 2	4.21															
BASIC STEEL & MILL PRD	331	3.34	102.1	96.1	97.4	99.9	98.5	102.7	119.2	120.7	120.2	116.2	110.4	117.6	119.8	116.5	
BASIC IRON AND STEEL	331	1.34	97.4	92.0	91.6	92.1	94.1	95.4	106.1	111.6	111.7	104.4	105.6	108.1	110.2	109.7	
PIG IRON	331	.46	92.7	84.8	86.2	85.8	88.8	92.6	99.8	106.6	107.6	102.6	100.9	102.6	104.9	104.6	
RAW STEEL	331	.72	103.7	99.3	98.8	101.9	105.8	109.2	117.9	121.6	120.5	110.5	114.1	117.2	119.5	118.9	
COKE AND PRODUCTS	331	.16	83.0	79.5	75.0	66.3	56.0	41.8	71.4	80.8	82.9	81.8	80.4	82.5	82.9	83.2	
STEEL MILL PRODUCTS	331	2.01	105.3	98.9	101.3	105.2	101.5	107.5	127.9	126.8	125.9	124.1	113.6	124.0	126.2	121.0	
CONSUMER DUR. STEEL	331	.31	122.5	117.4	104.0	121.6	109.9	110.5	129.2	129.5	128.0	131.1	120.6	138.2	144.5	135.3	
EQUIPMENT STEEL	331	.51	113.2	110.1	116.6	117.1	110.9	119.6	140.0	138.9	134.2	132.0	123.3	134.4	135.6	129.5	
CONSTRUCTION STEEL	331	.41															

Table 6. (continued)
DETAILED OUTPUT SERIES

Seasonally Adjusted, 1967=100

INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES	SIC CODE	1967 PRO- POR- TION	1977 AVG.	1978												
				NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.
NONFERROUS METALS	333-6,9	2.36	122.4	123.5	123.3	121.7	124.0	123.9	124.7	124.8	123.2	129.5	137.5	136.6	135.8	137.5
PRIMARY NONF. METALS	333	.45	124.3	128.8	128.0	130.4	125.1	124.0	127.3	126.9	126.4	129.3	139.2	137.7	140.5	139.9
COPPER	3331	.09	127.7	129.1	125.6	129.1	118.6	126.7	126.7	129.0	125.6	123.3	164.0	155.9	154.7	152.3
ALUMINUM	3334	.27	138.8	142.2	143.1	144.9	143.5	140.2	142.3	144.6	146.0	148.0	151.3	150.3	150.8	150.9
SECONDARY NONF. METALS	334	.09	148.5	153.8	155.2	147.8	148.2	147.6	139.9	154.1	162.3	161.2	163.9	169.3		
NONFERROUS PRODUCTS	335,6	1.45	130.1	128.4	129.1	127.5	132.9	133.2	132.5	131.7	130.1	138.9	147.3	146.1	144.6	146.6
NONFERROUS MILL PROD	335	1.09	137.7	135.5	137.8	138.3	142.3	143.9	141.5	142.6	140.3	150.8	160.7	159.7	158.1	160.8
COPPER MILL PROD		.48	111.7	100.9	107.3	110.8	110.6	119.9	108.9	114.8	104.3	128.3	134.0	140.1	126.3	132.2
ALUMINUM MILL PROD		.61	158.2	162.6	162.0	160.0	167.2	162.8	167.0	164.6	168.5	168.5	181.8	175.2	183.1	
CONSTRUCTION		.13	182.5	192.3	188.9	184.0	199.5	191.1	193.9	197.3	196.3	191.2	212.1	200.2	210.4	
NONCONSTRUCTION		.48	151.6	154.6	154.7	153.5	158.5	155.1	159.8	155.7	161.0	162.3	173.8	168.4	175.7	
NONFERROUS FOUNDRIES	336	.35	106.2	106.5	101.6	93.7	103.7	99.6	104.5	97.9	98.3	102.1	105.4	103.3	102.5	102.2
FABRICATED METAL PRODUCTS	34	5.93														
METAL CANS	341	.38	141.9	146.3	144.0	141.3	142.9	145.6	145.0	145.1	148.2	147.7	144.4	148.5	148.5	149.1
HDWE, PLUMB, STRUCT, MET	342-4	2.67	135.3	140.2	141.3	143.4	143.9	144.8	145.9	146.5	149.5	152.0	156.5	153.0	150.3	151.2
HARDWARE, TOOLS, CUTL	342	.76	125.8	127.6	126.9	129.9	130.8	130.4	133.2	134.0	135.3	138.0	142.0	137.0	135.8	135.4
STRUCTURAL METAL PROD	344	1.62	138.8	144.9	147.2	149.5	150.2	152.3	152.6	152.4	156.2	157.4	162.8	159.4	156.4	157.1
OTHER FAB. MET. PROD.	345-9	2.89	125.4	130.5	130.6	130.4	129.0	130.5	133.0	134.0	136.2	138.3	138.4	139.1	140.1	141.6
FASTENERS, STAMP, ETC	345-8	2.03	119.4	125.1	125.1	123.9	122.4	123.3	126.5	127.3	129.6	131.6	131.3	131.8	131.4	134.0
NONELECTRICAL MACHINERY	35	9.15														
ENGINE AND FARM EQUIP.	351,2	1.20	162.4	166.8	170.3	158.4	164.2	164.8	166.0	161.3	161.5	167.7	168.7	169.6	169.1	170.6
FARM TRACTORS		.19	106.7	108.8	100.9	70.7	98.3	97.8	91.9	86.0	94.5	85.2	104.6	88.5	81.3	83.8
CONSTRUCTION & ALLIED EQ	353	1.36	150.3	157.0	160.4	160.2	160.2	162.0	160.8	162.2	165.5	165.5	167.7	168.4	172.7	169.9
TRACKLAYING TRACTORS		.16	101.1	107.0	124.4	116.1	112.9	104.6	100.4	94.8	105.9	111.4	119.9	106.3	129.1	115.3
METALWORKING MACHINERY	354	1.67	108.5	112.2	112.0	110.8	108.4	108.6	110.8	113.9	117.3	118.8	119.8	119.8	118.8	118.9
SPEC. & GENL IND EQ	355,6	2.30	115.8	119.0	120.7	121.2	118.9	122.2	122.0	123.0	123.8	123.8	124.8	125.1	124.7	124.3
OFFICE, SERV. & MISC.	357-9	2.63	182.6	188.5	191.2	190.0	192.9	193.1	195.9	193.6	198.6	199.9	202.0	204.0	204.8	206.6
ELECTRICAL MACHINERY	36	8.05														
MAJOR ELECT. EQ. & PTS.	361,2	1.74	122.7	126.0	128.5	130.6	128.6	129.9	129.5	133.0	134.3	137.2	140.4	142.9	140.5	141.3
HOUSEHOLD APPLIANCES	363	.83	146.4	146.3	146.3	130.2	158.5	157.6	168.6	161.0	164.6	147.1	150.4	146.7	141.6	135.7
COOKING STOVES	3631	.08	128.2	144.6		119.3	156.5	162.6	162.6	161.3	158.9	142.2	181.8	139.8	142.1	121.8
REFRIGERATION APPL.	3632	.26	127.9	120.6	118.0	106.1	139.4	136.8	149.0	143.7	145.1	129.1	130.3	127.5	117.2	107.3
LAUNDRY APPLIANCES	3633	.13	137.3	135.7	129.9	115.7	165.7	154.4	159.8	164.2	149.3	135.2	116.4	124.6	117.2	111.1
MISC. APPLIANCES	3634-6,9	.36	167.7	169.7	171.2	155.9	169.9	173.0	191.1	172.1	186.0	166.3	170.5	170.8	168.5	169.1
TV AND RADIO SETS	365	.52	105.7	110.7	106.1	98.9	100.2	111.0	119.7	108.8	112.3	133.4	110.3	119.5	107.3	99.0
COMMUNICATION EQUIPMENT	366	2.30	114.2	117.8	118.3	117.4	116.8	120.2	122.1	120.8	122.5	127.6	128.5	129.2	129.9	132.7
ELECTRONIC COMPONENTS	367	1.43	202.1	207.8	208.4	205.6	204.7	211.8	216.5	220.2	221.6	230.8	233.7	228.7	234.3	241.0
TV TUBES	3671-3	.31	38.2	46.8	30.5	38.6	33.8	32.5	38.9	44.3	39.3	45.5	50.0	35.8	44.3	45.8
MISC. ELECTRICAL SUPP.	369	.49	175.1	177.5	185.6	171.1	182.6	186.3	191.5	190.1	186.0	189.7	186.8	187.9	186.8	187.2
STORAGE BATTERY, REPL.	3691	.09	213.3	209.2	230.6	193.7	224.0	227.1	235.3	217.3	219.2	220.0	223.7	224.9	236.9	222.9
TRANSPORTATION EQUIPMENT	37	9.27														
MOTOR VEHICLES AND PARTS	371	4.50														
AUTOS, TOTAL		1.90	148.4	147.5	143.6	127.4	131.5	149.7	159.1	151.6	149.8	152.7	151.1	144.4	155.0	159.8
LARGE AUTOS		1.79	109.6	106.1	98.1	86.0	88.1	103.2	109.6	102.4	99.1	104.0	99.1	94.6	106.5	112.8
SMALL AUTOS		.11	786.6	1825.9	890.7	807.0	845.9	912.8	974.5	959.2	983.5	952.5	1007.1	963.3	951.2	935.8
TRUCKS AND BUSES		.53	227.5	229.0	238.1	182.4	213.8	241.3	260.0	251.6	252.6	243.0	247.0	249.3	272.5	274.6
BUSINESS VEHICLES		.40	146.8	152.4	156.9	107.6	126.0	162.0	171.6	161.7	160.6	149.9	152.7	152.0	176.6	
UTILITY VEHICLES		.13	469.2	1458.3	482.0	406.4	476.5	478.4	524.5	519.4	527.2	522.1	529.8	541.1	560.0	
TRUCK TRAILERS		.09	191.6	216.6	194.7	201.5	216.1	229.3	232.6	248.2	241.4	229.3	256.3	226.3	241.6	246.4
MOTOR VEHICLE PARTS		1.98	151.0	157.8	157.7	153.4	154.6	156.8	157.8	158.7	159.4	163.8	166.1	168.5	169.9	174.4
AIRCRAFT AND PARTS	372	3.73	69.6	66.0	68.2	73.1	71.5	75.6	76.9	79.0	81.2	82.3	83.5	85.2	85.6	85.8
SHIPS AND BOATS	373	.56	158.9	164.3	163.2	155.3	154.3	155.5	160.9	160.3	162.5	158.8	159.5	163.7	160.9	158.4
RAIL & MISC TRANS EQ	374,5,9	.49	115.5	124.6	127.2	124.1	116.3	126.0	124.5	130.5	123.0	140.1	144.1	131.7	132.3	140.1
RAILROAD EQUIPMENT	374	.26	90.2	103.2	103.4	93.2	90.6	109.1	114.1	115.2	104.1	145.2	137.4	118.5	118.0	133.8
MOBILE HOMES	379	.18	121.6	125.2	129.9	135.9	125.3	122.0	111.8	123.3	118.9	104.9	128.3	121.3	126.6	
INSTRUMENTS	38	2.11														
EQUIPMENT INSTR. & PTS.	381-4	1.07	165.1	171.3	175.5	173.0	173.8	178.6	180.1	179.5	181.8	184.6	184.8	185.0	185.7	190.1
CONSUMER INSTR. PROD.	385-7	1.04	152.8	152.7	155.8	153.2	153.4	158.8	160.5	160.3	159.9	162.0	165.1	162.9	163.1	162.9
MISC. MANUFACTURES	39	1.51														
MISC. CONS. GOODS	391,3,4,6	.86	151.3	152.6	153.4	152.9	150.9	154.4	151.5	152.0	152.4	150.8	151.4	152.0	150.9	151.4
MISC. BUS. SUPPLIES	395,9	.65	146.1	150.5	151.2	153.5	153.7	153.4	153.5	155.2	156.8	156.4	154.9	157.0	156.0	158.3
ELECTRIC UTILITIES		3.88														
ELEC UTIL GENERATION		1.90	170.7	169.9	170.2	182.8	180.1	170.0	169.2	174.1	177.6	181.0	180.3	181.4		
FOSSIL FUEL GENERATION		1.54	163.2	157.6	157.8	169.0	167.5	157.6	157.0	159.9	162.9	163.6	163.7	163.9		
HYDRO & NUCLEAR GENERAT.		.36	203.1	222.5	224.3	242.1	234.3	223.2	221.9	235.0	240.8	255.5	251.7	257.2		
ELEC UTIL SALES		1.98	180.1	176.5	181.5	184.4	188.1	187.4	180.7	180.1	182.4	183.3	186.0	187.2		
RESIDENTIAL KWH		.83	189.9	186.2	191.4	196.6	206.7	206.2	193.0	190.0	192.8	194.2	194.4	195.5		

Table 7. (continued)
DETAILED OUTPUT SERIES

Not Seasonally Adjusted, 1967 = 100

INDUSTRY SUBTOTALS AND INDIVIDUAL SERIES	SIC CODE	1967	1977	1977		1978											
		PRO- TION	AVG.	NOV.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	
NONFERROUS METALS	333-6,9	2.36	122.4	120.5	116.8	119.9	130.1	132.2	131.9	130.7	131.7	115.6	129.7	134.1	136.2	134.2	
PRIMARY NONF. METALS	3331	.45	124.3	130.0	127.1	129.5	128.9	127.8	129.5	130.2	128.0	121.6	132.4	135.5	139.9	141.4	
COPPER	3331	.09	127.7	134.9	123.3	127.9	125.6	138.4	133.7	139.5	129.1	101.2	143.0	151.2	155.8	159.3	
ALUMINUM	3334	.27	138.8	141.5	142.2	144.0	146.1	142.3	144.2	146.0	147.0	147.0	147.7	148.6	149.7	150.1	
SECONDARY NONF. METALS	3341	.09	148.5	153.0	142.6	146.0	160.5	159.4	155.0	159.5	165.5	133.6	156.7	165.6			
NONFERROUS PRODUCTS	335,6	1.45	130.1	123.5	119.2	123.8	139.0	142.9	142.4	139.7	141.7	121.7	138.6	143.0	144.9	141.0	
NONFERROUS MILL PROD	3351	1.09	137.7	129.1	127.5	132.8	147.7	154.6	152.7	152.2	153.8	135.3	151.9	155.1	156.4	153.6	
COPPER MILL PROD		.48	111.7	100.2	101.8	106.0	113.6	130.0	121.0	124.4	117.8	103.3	119.5	134.9	127.2	131.3	
ALUMINUM MILL PROD		.61	158.2	151.7	147.6	153.8	174.6	173.9	177.5	174.1	182.1	160.4	177.3	171.0	179.3		
NONCONSTRUCTION		.13	182.5	181.9	166.0	171.1	203.9	201.6	205.7	203.8	213.8	183.0	213.4	200.2	214.8		
NONFERROUS FOUNDRIES	3361	.48	151.6	143.5	142.8	149.2	166.6	166.3	169.9	166.0	173.4	154.2	167.5	163.0	169.7		
		.35	106.2	105.9	93.1	95.8	111.9	106.5	110.2	100.5	104.1	79.4	97.1	105.1	109.0	101.6	
FABRICATED METAL PRODUCTS	341	5.93															
METAL CANS	3411	.38	141.9	140.2	133.1	135.9	141.8	143.3	142.7	145.0	150.7	155.4	154.9	154.9	150.1	142.8	
HDWE, PLUMB, STRUCT, MET	342-4	2.67	135.3	142.7	140.7	140.5	147.2	147.6	146.3	147.2	149.9	145.9	150.7	153.3	154.4	153.8	
HARDWARE, TOOLS, CUTL	3421	.76	125.8	129.9	126.1	127.2	133.5	133.7	133.7	133.9	136.0	132.3	133.2	139.1	141.1	138.1	
STRUCTURAL METAL PROD	3441	1.62	138.8	147.8	147.3	146.7	152.9	154.1	152.2	153.5	156.5	151.9	159.1	158.6	159.7	160.2	
OTHER FAB. MET. PROD.	345-9	2.89	125.4	131.7	129.2	125.4	131.8	132.6	133.4	134.8	138.1	131.7	136.2	141.5	143.3	142.9	
FASTENERS, STAMP, ETC	345-8	2.03	119.4	126.4	123.7	119.2	125.0	125.5	127.5	128.4	131.2	124.1	128.4	134.0	135.3	135.3	
NONELECTRICAL MACHINERY	351	9.15															
ENGINE AND FARM EQUIP.	351,2	1.20	162.4	165.5	168.4	157.4	168.8	170.4	166.5	161.1	168.1	155.6	157.1	175.0	172.7	169.6	
FARM TRACTORS		.19	106.7	95.0	85.3	70.0	105.0	110.4	103.1	90.1	108.0	58.2	77.0	103.5	96.8	73.2	
CONSTRUCTION & ALLIED EQ	353	1.36	150.3	160.5	157.5	154.3	164.5	164.1	163.4	159.9	167.7	159.0	162.3	173.7	172.9	173.5	
TRACKLAYING TRACTORS		.16	101.1	104.9	105.0	108.7	119.8	115.4	112.7	100.1	115.0	93.9	102.4	118.4	128.8	113.0	
METALWORKING MACHINERY	354	1.67	108.5	112.3	109.0	109.1	112.3	111.4	111.5	112.2	117.4	114.3	117.6	121.8	121.7	119.0	
SPEC. & GENL IND EQ	355,6	2.30	115.8	120.8	118.4	117.7	120.4	122.2	121.1	122.4	126.2	120.5	123.9	128.9	126.4	126.2	
OFFICE, SERV., & MISC.	357-9	2.63	182.6	187.7	178.4	178.8	189.2	186.9	191.2	192.4	206.5	209.9	209.3	215.2	210.8	205.6	
ELECTRICAL MACHINERY	361	8.05															
MAJOR ELECT. EQ. & PTS.	361,2	1.74	122.7	124.4	122.5	126.7	126.2	129.1	130.1	133.8	138.5	139.3	138.9	145.8	147.0	139.5	
HOUSEHOLD APPLIANCES	3631	.83	146.4	145.6	125.8	130.2	161.8	160.8	175.5	160.8	168.1	138.6	138.4	153.5	158.6	135.3	
COOKING STOVES	3631	.08	128.2	139.8	127.7	121.7	161.4	160.2	167.5	172.3	169.9	116.9	151.8	150.6	160.2	118.1	
REFRIGERATION APPL.	3632	.26	127.9	113.4	88.5	107.3	141.4	148.7	167.8	151.7	159.8	145.6	92.0	124.1	130.3	100.8	
LAUNDRY APPLIANCES	3633	.13	137.3	126.1	100.7	126.9	161.2	147.8	160.4	160.4	147.8	114.9	135.8	132.8	140.3	103.7	
MISC. APPLIANCES	3634-6,9	.36	167.7	177.8	162.1	150.3	177.0	174.7	188.8	164.9	181.5	147.5	170.2	183.4	186.0	176.4	
TV AND RADIO SETS	3651	.52	105.7	121.1	99.2	95.2	106.1	113.6	114.6	109.2	113.8	96.7	108.4	129.1	123.9	107.9	
COMMUNICATION EQUIPMENT	3661	2.30	114.2	120.0	122.1	117.6	116.4	120.0	119.7	120.0	122.9	124.2	127.3	130.1	130.5	135.2	
ELECTRONIC COMPONENTS	3671	1.43	202.1	210.7	210.3	204.8	206.1	214.6	215.2	218.4	226.0	220.2	229.5	229.4	237.1	244.6	
TV TUBES	3671-3	.31	38.2	45.8	27.3	38.0	36.7	36.8	41.1	43.1	38.6	31.0	49.0	38.9	51.7	44.8	
MISC. ELECTRICAL SUPP.	3691	.49	175.1	192.9	196.9	176.2	178.8	172.5	176.6	176.6	177.6	176.4	186.6	204.1	205.1	203.3	
STORAGE BATTERY, REPL.	3691	.09	213.3	260.9	267.7	219.3	215.9	177.6	169.2	154.9	173.4	182.4	236.4	295.1	304.4	278.0	
TRANSPORTATION EQUIPMENT	371	9.27															
MOTOR VEHICLES AND PARTS	3711	4.50															
AUTOS, TOTAL		1.90	148.4	150.4	123.5	130.3	143.6	164.5	182.7	168.4	164.8	114.5	96.4	147.6	175.5	165.9	
LARGE AUTOS		1.79	109.6	108.8	87.3	91.2	100.4	115.1	126.0	114.2	109.2	72.8	54.5	96.7	120.9	116.8	
SMALL AUTOS		.11	786.6	834.2	718.8	773.1	854.4	976.7	1115.8	1060.9	1078.9	800.1	785.5	984.5	1073.0	973.2	
TRUCKS AND BUSES		.53	227.5	223.3	187.3	194.1	242.7	257.5	281.6	253.9	275.1	219.2	211.2	244.8	289.8	266.2	
BUSINESS VEHICLES		.40	146.8	144.8	117.7	125.9	151.2	171.7	183.6	161.7	170.6	125.9	131.3	155.0	185.4		
UTILITY VEHICLES		.13	469.2	458.3	395.2	398.3	517.0	514.3	575.1	529.8	587.6	498.3	450.3	514.0	601.9		
TRUCK TRAILERS		.09	191.6	212.7	191.4	188.2	226.5	249.4	243.0	243.3	231.2	245.0	227.2	246.2	242.0		
MOTOR VEHICLE PARTS		1.98	151.0	159.1	166.1	152.5	151.7	154.6	158.1	160.4	162.4	161.2	157.1	168.8	171.9	175.6	
AIRCRAFT AND PARTS	3721	3.73	69.6	67.6	70.6	73.2	71.9	75.8	76.5	78.4	80.1	80.3	81.3	85.2	86.2	88.0	
SHIPS AND BOATS	3731	.56	158.9	164.6	165.5	152.7	155.2	158.8	164.3	161.3	162.5	156.6	155.2	160.9	161.4	158.9	
RAIL & MISC TRANS EQ	374,5,9	.49	115.5	122.4	114.0	103.5	113.2	131.5	140.3	138.9	136.4	118.7	136.0	135.6	137.7	143.0	
RAILROAD EQUIPMENT	3741	.26	90.2	102.5	104.6	91.3	94.9	118.0	125.7	122.1	112.5	109.6	113.5	114.7	119.1	142.8	
MOBILE HOMES	3791	.18	121.6	117.7	95.6	96.5	107.9	122.7	133.1	132.7	138.2	110.5	140.2	132.8	135.6		
INSTRUMENTS	381	2.11															
EQUIPMENT INSTR. & PTS.	381-4	1.07	165.1	173.9	171.8	166.4	171.4	175.6	176.7	179.0	186.3	184.6	186.5	192.6	189.4	193.0	
CONSUMER INSTR. PROD.	385-7	1.04	152.8	156.7	156.9	150.3	151.1	156.4	157.6	158.9	162.0	160.1	166.4	165.5	165.9	167.1	
MISC. MANUFACTURES	391	1.51															
MISC. CONS. GOODS	391,3,4,6	.86	151.3	156.3	145.6	139.1	148.6	150.4	150.6	150.2	155.3	144.0	158.2	166.9	159.7	155.0	
MISC. BUS. SUPPLIES	395,9	.65	146.1	151.4	147.3	146.6	151.5	152.0	151.2	151.3	158.4	155.1	161.9	163.0	162.2	159.2	
ELECTRIC UTILITIES		3.88															
ELEC UTIL GENERATION		1.90	170.7	161.6	172.6	192.3	183.3	162.5	161.9	164.5	182.6	195.4	192.8	180.7			
FOSSIL FUEL GENERATION		1.54	163.2	151.3	158.1	175.3	167.5	145.0	145.2	145.0	166.7	180.4	181.7	169.8			
HYDRO & NUCLEAR GENERAT.		.36	203.1	205.6	234.8	265.1	251.2	237.7	233.9	248.2	251.0	259.7	240.8	227.7			
ELEC UTIL SALES		1.98	180.1	162.6	180.1	199.1	193.3	183.3	162.9	161.2	179.5	200.8	206.5	202.9			
RESIDENTIAL KWH		.83	189.9	158.5	194.3	230.4	225.4										

Table 9.

**GROSS VALUES IN BILLIONS OF 1972
DOLLARS, ANNUAL RATES, BY QUARTER**

SUMMARY GROUPINGS	1977		1978				1977		1978			
	III	IV	I	II	III	IV	III	IV	I	II	III	IV
TOTAL INDEX	138.4	139.3	139.6	144.0	147.0	149.5						
PRODUCTS, TOTAL	138.6	139.6	139.9	143.4	145.9	147.8	590.3	592.5	591.5	608.2	612.4	625.4
FINAL PRODUCTS	136.6	137.0	136.7	140.7	143.1	144.8	457.2	457.9	454.3	469.3	471.2	481.4
CONSUMER GOODS	145.0	145.3	143.8	147.2	148.4	149.8	320.2	320.0	317.1	324.4	324.2	330.1
DURABLE CONSUMER GOODS	156.1	155.9	151.7	160.9	160.9	162.5	97.0	95.9	92.2	98.5	98.9	100.2
AUTOMOTIVE PRODUCTS	179.7	175.1	165.4	181.4	180.9	187.4	51.6	49.9	46.8	51.8	51.2	53.3
HOME GOODS	142.9	145.3	144.0	149.3	149.7	148.6	45.4	46.0	45.5	46.7	47.7	46.9
NONDURABLE CONSUMER GOODS	140.5	141.0	140.7	141.7	143.3	144.8	223.3	223.9	224.9	225.9	225.3	230.0
CLOTHING	126.3	127.1	120.6	125.0	126.9		32.3	32.9	31.2	32.2	32.8	
CONSUMER STAPLES	144.5	144.9	146.2	146.4	148.0	149.0	191.0	191.1	193.7	193.8	192.5	196.6
CONSUMER ENERGY (HOME GOODS AND CLOTHING)	150.8	149.6	153.7	150.5	152.4		44.1	43.6	44.9	44.0	44.6	
(OTHER)	135.2	136.9	133.3	138.2	139.2	139.6	77.7	78.8	76.6	78.9	80.5	80.3
EQUIPMENT	125.1	125.7	126.9	131.8	135.8	137.8	136.9	137.9	137.3	144.8	147.2	151.3
BUSINESS EQUIPMENT	151.5	153.4	154.7	160.4	165.0	168.0	103.0	104.8	103.7	109.7	110.7	114.7
INDUSTRIAL EQUIPMENT	140.8	142.5	145.3	149.5	152.5	153.2	45.8	46.4	47.4	48.7	49.4	
COMM'L, TRANSIT, FARM EQ.	163.7	166.0	165.7	173.1	179.4	185.3	57.3	58.5	56.3	60.9	61.3	
DEFENSE AND SPACE EQUIPMENT	80.7	79.2	80.3	83.7	86.7	87.1	33.9	33.1	33.6	35.2	36.5	36.6
INTERMEDIATE PRODUCTS	146.3	148.9	151.5	153.1	156.3	159.3	133.1	134.6	137.1	139.1	141.3	144.1
CONSTRUCTION SUPPLIES	142.0	146.6	148.6	150.3	154.6	157.8	62.1	63.2	63.9	65.4	66.8	67.9
BUSINESS SUPPLIES	150.5	151.1	154.3	155.9	158.1		71.1	71.5	73.2	73.7	74.5	
COMMERCIAL ENERGY PRODUCTS	165.3	163.2	165.1	163.1	167.1		18.2	17.8	18.2	18.1	18.4	
MATERIALS	138.1	138.9	139.2	145.1	148.7	152.1						
DURABLE GOODS MATERIALS	136.0	137.7	137.9	144.0	150.4	154.7						
BASIC METAL MATERIALS	109.4	109.4	110.5	117.5	124.6							
NONDURABLE GOODS MATERIALS	154.4	155.0	158.0	163.2	163.2	166.2						
TEXTILE, PAPER AND CHEMICAL MAT	159.2	159.5	163.1	167.7	168.4	171.1						
TEXTILE MATERIALS	112.3	117.9	115.3	117.1	117.3							
PAPER MATERIALS	135.1	132.3	136.5	139.7	134.8							
CHEMICAL MATERIALS	189.5	188.9	194.9	201.4	204.4							
ENERGY MATERIALS	123.4	121.9	119.1	125.5	127.0	128.6						
MANUFACTURING	138.7	139.9	139.8	144.4	147.7	150.3						
DURABLE	131.5	132.8	132.3	137.8	142.0	144.9						
NONDURABLE	149.2	150.2	150.6	154.0	155.9	158.2						
MINING AND UTILITIES	136.3	135.1	137.8	141.4	142.4	144.3						
MINING	117.7	117.3	116.2	127.3	125.7	127.9						
UTILITIES	157.1	155.0	161.8	157.2	161.0	162.8						

Table 10.

GROSS VALUES IN BILLIONS OF 1972 DOLLARS, ANNUAL RATES, BY MONTH

MAJOR MARKET GROUPINGS	1972	1977		1978											
	DOLLS. BILARS	AVG.	DEC.	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.
PRODUCTS, TOTAL	507.4	583.9	594.7	582.0	591.2	601.1	608.8	606.8	608.9	610.3	613.3	613.6	621.9	625.8	628.6
FINAL PRODUCTS	390.9	452.1	458.7	445.1	454.4	463.5	470.7	468.2	468.9	469.6	472.2	471.8	478.3	482.0	483.8
CONSUMER GOODS	277.5	317.5	320.4	311.2	318.6	321.6	326.3	324.0	323.0	323.4	324.7	324.4	327.8	330.8	331.8
DURABLE CONSUMER GOODS	82.0	94.6	95.2	88.5	91.5	96.7	99.4	97.9	98.2	99.6	99.5	97.7	99.8	100.8	100.0
AUTOMOTIVE PRODUCTS	41.1	50.0	48.8	44.1	45.9	50.3	53.1	51.3	51.0	51.8	51.7	50.2	53.0	54.1	52.8
HOME GOODS	40.9	44.6	46.4	44.4	45.6	46.4	46.4	46.6	47.2	47.7	47.8	47.4	46.8	46.7	47.2
NONDURABLE CONSUMER GDS	195.5	222.8	225.0	222.7	227.0	224.9	226.9	226.2	224.7	224.0	225.1	226.7	228.1	230.1	231.8
CLOTHING	28.5	32.4	33.0	30.8	31.6	31.2	31.9	32.4	32.3	32.4	32.8	33.3	33.3		
CONSUMER STAPLES	167.0	190.5	192.0	192.0	195.3	193.8	195.0	193.8	192.5	191.6	192.5	193.4	194.8	196.7	198.2
CONSUMER ENERGY PROD (HOME GOODS & CLOTHING)	39.2	44.4	43.3	44.2	45.1	45.4	43.8	44.2	43.9	44.6	44.4	45.0	44.7	45.3	
(OTHER)	69.4	77.0	79.3	75.1	77.2	77.6	78.3	79.0	79.4	80.2	80.6	80.7	80.1	80.0	80.9
EQUIPMENT	113.4	134.6	138.2	133.9	135.8	142.0	144.4	144.2	146.0	146.4	147.5	147.7	150.6	151.4	152.0
BUSINESS EQUIPMENT	80.6	101.3	105.3	100.5	102.9	107.8	109.7	108.9	110.4	110.2	111.0	111.1	114.1	114.9	115.3
INDUSTRIAL EQUIPMENT	34.4	45.1	46.7	46.8	47.2	48.2	48.2	48.8	49.3	49.3	49.6	49.5	50.0	49.7	
COM'L, TRANSIT, FARM EQ	46.2	56.2	58.5	53.7	55.7	59.6	61.5	60.1	61.1	60.8	61.4	61.7	64.1	65.2	
DEFENSE & SPACE EQUIP.	32.7	33.4	33.0	33.4	33.0	34.3	34.8	35.1	35.6	36.3	36.6	36.6	36.5	36.6	36.7
INTERMEDIATE PRODUCTS	116.6	131.9	135.9	136.7	137.0	137.5	138.3	138.6	140.3	140.7	141.4	141.9	143.4	143.9	144.9
CONSTRUCTION SUPPLIES	57.8	61.1	63.8	64.1	63.8	63.7	64.6	65.2	66.4	66.3	66.9	67.2	67.8	67.7	68.3
BUSINESS SUPPLIES	58.8	70.7	72.1	72.5	73.2	73.8	73.8	73.4	74.0	74.4	74.5	74.7	75.6	76.3	
COMMERCIAL ENERGY PROD	15.6	18.0	18.0	18.0	18.5	18.2	18.2	18.0	18.0	18.1	18.4	18.7	18.8	18.8	

INDUSTRIAL ELECTRIC POWER USE

SEASONALLY ADJUSTED INDEXES, 1967 = 100

SERIES	SIC (1967)	BIL. KWH. 1967	1977 AVG.	1977					1978					PER CENT CH. FROM PREV.		
				Q 3	Q 4	Q 1	Q 2	Q 3	1978 JUNE	JULY	AUG	SEP	OCT	NOV	MO. (P)	YR. (P)
TOTAL		560.4	135.6	137.0	135.6	131.9	137.7	141.7	140.9	140.5	141.5	143.1	142.0	142.4	.3	5.2
MAJOR MARKET GROUPINGS																
PRODUCTS, TOTAL		136.1	145.1	146.6	146.7	147.6	148.6	151.4	149.5	151.0	151.6	151.5	151.3	152.1	.5	3.9
FINAL PRODUCTS		101.4	144.3	145.9	145.7	145.9	146.9	149.9	148.2	149.4	149.9	150.2	149.9	150.8	.6	3.8
CONSUMER GOODS		67.4	153.1	154.8	154.5	154.5	155.8	158.9	157.1	158.8	158.9	159.1	158.4	159.7	.9	3.6
EQUIPMENT		34.0	122.0	122.8	123.2	124.2	124.6	126.4	125.4	125.4	126.7	127.1	128.4	127.9	-4	4.4
INTERMEDIATE PRODUCTS		34.7	147.6	149.0	149.7	152.7	153.3	156.2	153.8	155.8	156.9	155.8	155.8	156.1	.2	4.4
MATERIALS		424.3	132.5	133.8	131.9	126.8	134.1	138.5	138.0	137.1	138.2	140.1	138.8	139.2	.3	5.7
DURABLE		237.7	125.8	126.3	125.6	128.2	132.1	135.8	132.6	133.4	136.5	137.4	137.3	137.1	-2	9.9
NONDURABLE		133.0	133.1	134.5	133.6	133.6	136.0	137.8	137.5	137.7	137.2	138.3	137.7	138.3	.5	3.6
ENERGY, EX. ERDA		23.8	159.3	156.6	161.6	142.5	165.9	160.8	169.5	166.0	158.7	157.8	162.5	169.5	4.3	.9
MAJOR INDUSTRY DIVISIONS																
MINING	10-14	34.7	150.1	140.8	139.3	149.8	154.1	164.5	165.5	164.4	165.4	163.8	167.9	168.7	.5	22.0
MANUFACTURING		519.2	134.8	136.7	135.4	131.4	136.0	140.4	139.0	139.2	140.0	141.9	139.9	141.0	.8	4.2
DURABLE	19, 24-25, 32-39	254.1	129.2	130.8	131.0	131.0	133.9	137.4	134.6	135.8	137.8	138.6	138.2	138.8	.4	6.0
NONDURABLE	20-23, 26-31	265.1	140.2	142.0	139.7	131.8	138.1	143.0	143.1	141.8	142.8	144.4	141.6	143.6	1.4	2.7
UTILITIES, OWN USE	491,2	6.5	140.0	140.8												
INDUSTRY GROUPS AND SERIES																
METAL MINING	10	9.9	130.3	108.5	95.0	154.4	162.1	164.3	163.4	163.0	165.4	164.5	163.9	164.9	.6	92.6
IRON ORE	101	5.0	115.4	79.2	53.6	159.9	173.4	181.9	176.5	177.8	183.7	184.3	181.0	182.1	.6	404.3
COPPER ORE	102	3.0	156.1	150.9	150.0	153.3	154.9	150.5	152.9	151.4	154.1	146.0	149.6	151.0	1.0	-3
COAL	11,2	5.9	163.0	153.6	172.1	104.8	168.3	166.5	171.3	173.2	164.1	162.2	179.6	191.0	6.3	1.4
OIL AND GAS EXTRACTION	13	11.9	169.4	169.2	169.6	171.7	171.4	172.4	172.2	172.9	172.8	171.7	172.5	170.1	-1.4	1.0
CRUDE OIL AND NAT. GAS	131	8.9	186.2	185.7	187.0	189.6	188.3	189.8	187.9	189.5	189.9	189.9	190.9	187.3	-1.9	.6
NATURAL GAS LIQUIDS	132	2.5	124.0	125.5	123.2	123.4	123.2	122.3	124.5	123.5	120.5	122.8	123.6	122.8	-6	1.2
STONE AND EARTH MINERALS	14	6.9	146.5	148.9	148.2	151.0	152.2	154.1	152.1	152.3	153.7	156.3	155.2	155.5	.2	5.0
CRUSHED STONE	142	1.5	156.5	154.5	157.4	151.5	154.9	157.6	153.9	154.4	156.8	161.8	161.0	159.7	-8	.8
SAND AND GRAVEL	144	1.1	131.6	129.7	133.0	139.5	137.0	139.5	141.3	137.5	137.9	143.2	138.2	138.4	-1	5.5
CHEMICAL MINERALS	147	3.4	151.3	156.2	152.5	154.4	156.9	157.4	156.9	158.4	158.3	155.5	157.5	157.1	-3	3.9
ORDNANCE	19	4.1	97.4	99.3	100.7	104.2	102.4	105.0	102.6	107.3	105.6	102.2	102.2	103.6	1.4	4.2
FOODS	20	26.8	145.9	145.9	146.6	148.7	151.5	152.9	150.8	152.0	152.6	154.0	153.8	153.6	-1	5.7
MEAT PRODUCTS	201	4.2	159.7	159.5	160.8	163.9	165.7	166.7	166.0	165.0	167.4	167.8	166.3	166.1	-1	3.7
DAIRY PRODUCTS	202	4.1	131.8	131.8	131.8	132.4	131.9	131.7	132.0	130.6	132.3	132.3	134.5	132.3	-1.6	1.8
CANNED AND FROZEN FOODS	203	3.2	179.1	182.0	180.3	177.8	176.7	176.9	176.5	175.8	177.3	177.6	175.5	177.9	1.3	-6
GRAIN MILL PRODUCTS	204	4.8	141.1	140.2	141.7	142.9	145.0	144.6	140.4	143.9	144.7	145.3	146.1	143.9	-1.5	3.0
BAKERY PRODUCTS	205	1.8	129.3	131.3	131.1	131.8	132.2	134.0	131.8	133.0	134.2	134.8	134.5	133.9	-4	3.7
SUGAR	206	1.2	192.3	214.4	184.9	184.0	226.0	242.2	238.1	236.2	242.1	248.3	218.2	213.3	-2.3	14.1
CONFECTIONERY	207	1.0	130.9	125.5	131.4	138.6	129.4	129.2	128.8	131.2	127.0	129.3	132.6	133.9	1.0	3.0
BEVERAGES	208	2.4	169.3	172.0	169.1	173.3	179.1	183.0	179.5	182.3	181.9	184.7	183.7	184.8	.6	9.9
MISC. FOOD PRODUCTS	209	4.1	124.0	123.2	125.1	128.3	133.5	137.1	134.7	136.6	137.1	137.6	136.7	135.6	-7	9.9
TOBACCO PRODUCTS	21	.9	130.0	130.3	132.5	131.8	136.0	130.4	136.6	133.6	127.8	129.8	128.6	127.2	-1.1	-2.9
TEXTILE MILL PRODUCTS	22	20.8	121.8	124.3	122.8	117.9	120.5	122.4	121.7	121.7	122.1	123.5	122.4	120.9	-1.2	-5
FABRICS	221-41	11.7	104.5	106.5	105.7	97.7	100.2	102.4	101.6	102.0	101.4	103.7	102.3	100.5	-1.8	-3.7
KNIT GOODS	225	1.7	173.9	174.9	171.6	164.5	165.3	165.3	164.7	164.5	164.0	167.2	165.6	163.4	-1.3	-3.7
FABRIC FINISHING	226	1.5	131.4	133.7	133.1	139.8	145.6	149.1	148.0	147.9	147.9	151.4	151.5	151.3	-2	15.1
YARN AND THREAD	228	3.9	150.0	154.4	149.5	152.4	159.4	160.4	161.7	160.0	160.7	160.5	159.8	156.9	-1.8	6.3
MISC. TEXTILES	229	1.4	145.7	147.2	155.4	153.3	149.6	151.2	148.1	150.4	148.2	155.0	154.9	158.0	2.0	-3
APPAREL PRODUCTS	23	3.6	164.1	165.8	164.3	165.0	162.0	167.4	162.8	167.0	168.1	167.2	163.7	165.0	.8	1.9
MEN'S OUTERWEAR	231,21	1.0	149.4	151.5	147.3	148.1	145.0	149.2	145.3	149.5	150.0	148.2	144.4	146.7	1.6	.3
WOMEN'S OUTERWEAR	233	1.0	206.4	205.9	206.5	213.2	206.7	214.7	208.7	212.5	215.9	215.6	207.0	209.0	1.0	2.2
LUMBER AND PRODUCTS	24	8.0	172.0	172.3	177.6	183.7	186.9	191.0	189.7	191.5	190.0	191.6	191.1	192.0	.5	8.7
LUMBER	242	3.9	164.8	166.1	169.3	173.1	174.0	179.0	177.7	179.8	178.7	178.4	177.5	180.7	1.8	7.3
MILLWORK AND PLYWOOD	243	2.2	173.4	170.9	180.6	179.4	183.7	189.2	187.7	188.9	188.3	190.4	192.6	191.1	-8	6.1
FURNITURE AND FIXTURES	25	2.5	150.1	152.6	154.5	156.4	156.7	163.5	159.4	163.1	163.3	164.0	164.3	163.1	-7	6.3
HOME FURNITURE	251	1.7	173.8	178.2	179.2	180.9	180.8	186.7	184.9	185.6	185.9	188.6	186.4	187.7	.7	5.3
PAPER AND PRODUCTS	26	49.1	123.9	125.5	124.7	123.5	124.4	124.6	125.0	124.7	124.2	124.8	123.9	124.7	.7	-2
WOOD PULP	261	3.5	124.6	125.4	126.5	124.4	125.7	121.6	125.1	121.7	123.1	120.0	118.1	121.3	2.7	-5.1
PAPER	262	24.5	119.1	120.8	121.1	119.3	119.0	119.2	120.4	118.8	118.4	120.3	118.4	119.8	1.2	-1.7
PAPERBOARD	263	14.8	141.2	143.2	140.9	139.0	141.6	142.4	142.0	142.8	141.8	142.5	146.3	148.5	1.5	4.9
CONVERTED PAPER	264	2.5	133.8	138.2	135.1	135.9	136.7	139.6	137.8	140.7	140.4	137.7	139.8	138.6	-9	2.3
PAPERBOARD CONTAINERS	265	2.3	141.3	143.9	142.6	143.6	145.7	147.6	147.6	149.2	146.5	147.1	146.7	147.7	.7	3.9
BUILDING PAPER AND BOARD	266	1.4	150.9	152.3	152.4	154.4	156.7	156.5	156.9	156.8	156.5	156.1	154.0	152.3	-1.1	.4
PRINTING AND PUBLISHING	27	5.8	147.8	147.1	148.1	152.3	150.7	151.3	151.3	151.9	150.5	151.6	150.0	151.6	1.1	3.0
NEWSPAPERS	271	1.7	137.4	135.7	138.1	140.0	139.5	135.7	141.7	138.9	133.3	135.0	132.1	133.0	.7	-2.6
COMMERCIAL PRINTING	275	2.4	154.8	154.5	153.7	160.6	159.5	160.4	160.3	160.9	159.6	160.6	160.2	162.2	1.3	5.5

P--PRELIMINARY

INDUSTRIAL ELECTRIC POWER USE

NOT SEASONALLY ADJUSTED INDEXES, 1967 = 100

SERIES	SIC (1967)	BIL. KWH. 1967	1977 AVG.	1977					1978					PER CENT CH. FROM PREV.		
				Q 3	Q 4	Q 1	Q 2	Q 3	JUNE	JULY	AUG	SEP	OCT	NOV	MO. (P)	YR. (P)
TOTAL		560.4	135.6	136.2	136.7	130.5	138.7	140.9	141.4	138.0	141.5	143.3	145.9	143.8	-1.4	5.2
MAJOR MARKET GROUPINGS																
PRODUCTS, TOTAL		136.1	145.1	151.0	147.7	142.1	148.5	155.9	153.9	152.1	156.1	159.5	157.5	154.7	-1.8	3.9
FINAL PRODUCTS		101.4	144.3	151.1	146.4	140.2	146.6	155.2	152.9	151.2	155.0	159.4	156.2	153.0	-2.1	3.8
CONSUMER GOODS		67.4	153.1	160.7	155.6	148.0	155.2	165.0	162.2	160.5	165.1	169.3	165.5	162.3	-1.9	3.6
EQUIPMENT		34.0	122.0	126.6	123.0	120.5	124.6	130.3	129.1	127.5	129.2	134.1	132.6	129.4	-2.4	4.4
INTERMEDIATE PRODUCTS		34.7	147.6	150.8	151.7	147.9	154.3	158.1	156.7	154.6	159.6	160.0	161.5	159.7	-1.1	4.4
MATERIALS		424.3	132.5	131.3	133.1	126.6	135.4	136.0	137.3	133.3	136.7	138.0	142.0	140.2	-1.2	5.7
DURABLE		237.7	125.8	124.3	125.4	127.9	134.6	133.6	133.8	131.5	134.1	135.3	138.8	136.4	-1.7	9.9
NONDURABLE		133.0	133.1	135.3	134.6	130.8	137.0	138.6	139.2	135.7	140.4	139.8	141.2	139.8	-1.0	3.6
ENERGY, EX. ERDA		23.8	159.3	149.3	161.4	150.8	163.7	153.4	164.0	155.2	153.2	151.8	156.8	167.8	7.0	.9
MAJOR INDUSTRY DIVISIONS																
MINING	10-14	34.7	150.1	137.2	140.2	150.3	166.4	160.5	167.7	157.5	160.6	163.5	168.5	169.9	.8	22.0
MANUFACTURING		519.2	134.8	136.4	136.6	129.3	137.1	140.1	140.0	136.9	140.8	142.7	144.8	142.3	-1.7	4.2
DURABLE	19,24-25,32-39	254.1	129.2	130.1	131.1	129.8	135.8	136.6	136.3	133.9	136.9	139.1	141.3	139.0	-1.6	6.0
NONDURABLE	20-23,26-31	265.1	140.2	142.5	141.8	129.0	138.4	143.5	143.5	139.8	144.5	146.1	148.1	145.4	-1.8	2.7
UTILITIES, OWN USE	491,2	6.5	140.0	130.7												
INDUSTRY GROUPS AND SERIES																
METAL MINING	10	9.9	130.3	105.6	95.1	154.2	166.2	160.1	167.8	158.4	158.8	163.0	165.4	163.4	-1.2	92.6
IRON ORE	101	5.0	115.4	78.2	53.8	158.6	177.7	178.0	180.6	177.1	176.4	180.6	183.2	180.8	-1.3	404.3
COPPER ORE	102	3.0	156.1	142.5	150.4	155.7	160.5	142.1	160.0	139.2	141.3	146.0	151.9	148.0	-2.6	-3
CDAL	11,2	5.9	163.0	136.1	171.9	114.4	171.6	147.0	168.8	135.8	153.2	152.0	175.7	189.7	8.0	1.4
OIL AND GAS EXTRACTION	13	11.9	169.4	169.4	170.2	171.6	170.6	172.6	173.5	173.5	170.3	173.9	172.4	171.8	-3	1.0
CRUDE OIL AND NAT. GAS	131	8.9	186.2	184.6	187.9	190.6	187.5	188.6	189.8	189.2	185.8	191.0	189.7	189.4	-2	.6
NATURAL GAS LIQUIDS	132	2.5	124.0	129.8	123.3	120.0	122.2	126.5	125.7	128.0	125.2	126.4	125.0	123.5	-1.2	1.2
STONE AND EARTH MINERALS	14	6.9	146.5	149.7	152.2	142.8	155.3	155.0	157.2	150.7	155.7	158.7	162.0	160.8	-8	5.0
CRUSHED STONE	142	1.5	156.5	163.7	166.6	126.6	162.1	167.0	166.7	161.5	168.1	171.5	175.6	176.9	-7	.8
SAND AND GRAVEL	144	1.1	131.6	136.6	141.2	118.5	141.7	146.9	149.8	143.1	146.4	151.4	151.6	151.2	-3	5.5
CHEMICAL MINERALS	147	3.4	151.3	153.3	154.7	153.7	158.0	154.5	157.2	150.0	155.4	158.2	161.1	159.0	-1.3	3.9
DRONANCE	19	4.1	97.4	103.8	100.3	100.0	102.0	109.8	106.8	108.8	112.8	107.7	105.7	103.8	-1.8	4.2
FOODS	20	26.8	145.9	154.9	150.2	140.2	147.0	162.3	154.0	158.0	163.3	165.7	162.6	159.0	-2.2	5.7
MEAT PRODUCTS	201	4.2	159.7	175.5	161.7	149.5	162.5	183.4	172.3	180.8	187.6	181.9	174.6	168.2	-3.6	3.7
DAIRY PRODUCTS	202	4.1	131.8	148.7	127.1	118.9	133.1	148.6	144.2	149.2	149.4	147.3	137.0	127.7	-6.8	1.8
CANNED AND FROZEN FOODS	203	3.2	179.1	195.4	185.4	166.7	169.2	190.1	173.4	171.2	187.4	211.6	202.4	182.3	-9.9	-6
GRAIN MILL PRODUCTS	204	4.8	141.1	141.4	145.9	142.6	139.6	145.9	140.1	142.5	148.6	146.5	150.8	151.0	.1	3.0
BAKERY PRODUCTS	205	1.8	129.3	143.5	130.6	122.5	129.7	146.4	136.8	143.4	146.8	149.1	139.7	133.9	-4.1	3.7
SUGAR	206	1.2	192.3	157.2	250.7	210.0	168.1	177.6	164.3	170.8	181.1	181.0	252.3	302.0	19.7	14.1
CONFECTIONERY	207	1.0	130.9	133.8	136.0	123.8	129.4	137.8	137.7	127.6	138.0	147.6	146.0	141.0	-3.4	3.0
BEVERAGES	208	2.4	169.3	191.9	165.8	156.5	179.4	204.1	191.9	201.1	205.6	205.8	190.0	180.2	-5.1	9.9
MISC. FOOD PRODUCTS	209	4.1	124.0	127.8	128.9	122.4	130.4	142.3	138.2	141.0	141.2	144.6	141.8	142.7	.6	9.9
TOBACCO PRODUCTS	21	.9	130.0	142.7	137.1	122.0	128.2	142.6	137.5	128.4	144.3	155.2	143.5	133.4	-7.1	-2.9
TEXTILE MILL PRODUCTS	22	20.8	121.8	127.2	123.3	111.4	123.9	125.3	130.6	112.1	131.5	132.4	127.9	123.8	-3.2	-5
FABRICS	221-4	11.7	104.5	108.3	105.9	93.0	103.1	104.2	108.4	92.6	109.5	110.4	107.0	102.8	-3.9	-3.7
KNIT GOODS	225	1.7	173.9	189.7	170.0	147.9	169.2	179.4	180.8	161.6	186.9	189.6	175.1	165.2	-5.6	-3.7
FABRIC FINISHING	226	1.5	131.4	129.4	134.3	138.7	149.8	144.6	155.1	128.7	150.1	154.9	154.0	156.1	1.4	15.1
YARN AND THREAD	228	3.9	150.0	159.4	150.5	142.0	163.9	165.7	174.6	148.2	175.0	173.8	164.9	162.2	-1.6	6.3
MISC. TEXTILES	229	1.4	145.7	147.0	155.6	149.5	153.1	150.9	157.0	140.7	156.6	155.5	163.6	155.8	-4.8	-3
APPAREL PRODUCTS	23	3.6	164.1	191.9	159.9	145.0	160.0	193.9	177.1	179.2	201.0	201.4	176.3	160.9	-8.7	1.9
MEN'S OUTERWEAR	231,2	1.0	149.4	176.2	145.1	128.3	142.7	173.7	159.0	157.9	180.3	183.0	158.3	144.7	-8.6	.3
WOMEN'S OUTERWEAR	233	1.0	206.4	244.9	197.1	184.3	204.4	255.5	231.0	238.0	267.7	260.9	222.1	198.3	-10.7	2.2
LUMBER AND PRODUCTS	24	8.0	172.0	166.6	178.3	186.6	189.4	184.7	187.0	179.8	184.8	189.3	192.3	196.4	2.2	8.7
LUMBER	242	3.9	164.8	160.1	170.5	175.7	176.3	172.4	172.4	166.6	173.9	176.8	182.1	183.6	.8	7.3
MILLWORK AND PLYWOOD	243	2.2	173.4	163.9	178.8	183.9	188.3	181.5	189.6	176.2	181.9	186.3	187.2	196.1	4.7	6.1
FURNITURE AND FIXTURES	25	2.5	150.1	150.7	155.5	156.9	157.0	161.5	161.5	147.6	167.0	169.9	166.9	167.2	.2	6.3
HOME FURNITURE	251	1.7	173.8	173.7	180.2	184.0	181.2	182.0	186.2	163.3	189.5	193.2	189.6	189.9	.2	5.3
PAPER AND PRODUCTS	26	49.1	123.9	124.6	124.6	122.8	126.0	123.8	126.6	121.0	126.4	123.9	128.4	125.1	-2.5	-2
WOOD PULP	261	3.5	124.6	125.1	127.1	123.5	126.4	121.3	123.8	120.9	121.3	121.5	124.3	120.4	-3.1	-5.1
PAPER	262	24.5	119.1	119.5	120.4	119.2	120.9	117.9	120.7	114.9	121.4	117.4	123.4	119.2	-3.4	-1.7
PAPERBOARD	263	14.8	141.2	140.3	139.3	140.5	144.6	139.4	146.8	135.4	142.8	140.1	148.9	148.0	-6	4.9
CONVERTED PAPER	264	2.5	133.8	139.8	137.4	130.8	137.9	141.2	141.1	137.8	142.2	143.5	148.3	140.1	-5.6	2.3
PAPERBOARD CONTAINERS	265	2.3	141.3	145.4	141.9	141.1	147.2	149.2	153.2	144.5	151.6	151.4	150.8	148.4	-1.6	3.9
BUILDING PAPER AND BOARD	266	1.4	150.9	155.1	153.3	149.6	157.5	159.4	156.0	155.4	166.7	156.1	157.4	159.0	1.0	.4
PRINTING AND PUBLISHING	27	5.8	147.8	167.2	146.3	136.0	148.0	172.0	159.7	169.1	172.9	173.9	159.3	149.1	-6.4	3.0
NEWSPAPERS	271	1.7	137.4	155.9	135.3	123.8	137.5	156.0	150.6	159.1	154.9	153.9	138.5	130.2	-5.9	-2.6
COMMERCIAL PRINTING	275	2.4	154.8	175.1	153.9	142.5	155.8	181.8	167.5	176.7	182.6	186.1	173.1	161.4	-6.8	5.5

P--PRELIMINARY

INDUSTRIAL ELECTRIC POWER USE

SEASONALLY ADJUSTED INDEXES, 1967 = 100

SERIES	SIC (1967)	BIL. KWH. 1967	1977 AVG.	1977					1978					PER CENT CH. FROM PREV. MO. (P)	YR. (P)	
				Q 3	Q 4	Q 1	Q 2	Q 3	JUNE	JULY	AUG	SEP	OCT			NOV
CHEMICALS AND PRODUCTS	28	116.8	140.4	143.0	138.2	122.8	134.5	142.4	144.4	140.2	142.3	144.9	140.8	142.7	1.3	3.0
BASIC CHEMICALS	281	96.4	131.7	134.5	128.7	109.2	123.7	132.1	136.1	129.9	130.9	135.5	130.6	132.2	1.2	2.3
ALKALIES AND CHLORINE	2812	12.3	144.4	145.1	145.7	147.9	148.7	149.1	149.9	147.6	149.7	150.2	148.8	148.4	-3	1.3
BASIC ORGANIC CHEM.NEC	2818	24.8	136.8	136.9	134.4	139.5	144.4	142.8	146.1	143.0	143.1	142.4	140.5	144.1	2.5	7.1
INORGANIC CHEM. NEC	2819	48.6	135.0	141.1	129.0	91.0	115.5	130.2	137.7	126.4	127.0	137.3	127.1	127.2	.1	-1.3
ACID AND FERT. MAT'LS.	2819	18.8	109.1	110.1	109.9	106.1	106.4	108.2	107.3	108.3	107.1	109.2	109.7			
ERDA	2819	29.8	151.5	164.9	140.4	81.1	122.8	147.3	162.3	142.4	143.0	156.6	135.9			
SYNTHETIC MATERIALS	282	12.1	186.9	187.4	189.3	186.7	188.8	194.5	189.8	192.9	194.8	195.9	198.1	201.4	1.7	6.6
PLASTICS MATERIALS	2821	4.4	177.0	180.3	177.6	177.6	183.0	192.2	186.1	189.8	191.8	195.0	195.4	197.4	1.0	10.0
OTHER SYNTHETICS	2822-4	7.7	192.2	190.9	194.8	192.1	192.7	195.5	193.0	194.8	194.4	197.2	199.5	202.9	1.7	4.9
DRUGS	283	2.0	185.0	185.4	185.6	185.1	185.6	187.3	187.4	188.9	188.4	184.5	187.2	188.4	.7	1.1
SOAP AND TOILETRIES	284	1.0	140.8	144.1	143.6	144.1	140.8	149.5	145.2	146.1	149.4	152.9	148.9	149.2	-1	4.1
FARM CHEMICALS	287	2.7	150.4	154.1	153.9	153.6	149.9	156.6	151.3	156.5	156.7	156.6	157.5	159.0	.9	3.0
PETROLEUM PRODUCTS	29	22.3	168.2	168.5	170.9	173.3	173.3	174.4	174.0	173.2	173.5	176.4	173.6	179.2	3.2	4.4
RUBBER AND PLASTICS PROD.	30	10.8	171.7	174.0	174.8	175.5	178.7	183.5	179.7	183.6	182.5	184.3	182.2	184.0	1.0	4.8
TIRES	301	3.2	147.8	149.5	146.8	139.3	140.9	140.8	140.4	140.9	141.3	140.2	139.9	143.9	2.8	-3.1
RUBBER PRODUCTS NEC	306	2.3	127.9	128.7	126.6	127.1	130.2	133.8	132.5	135.9	133.4	132.0	129.1	128.9	-1	1.5
PLASTICS PRODUCTS NEC	307	4.8	206.1	210.0	214.6	221.5	226.2	235.7	229.2	235.3	233.3	238.5	235.2	235.0	-1	9.6
LEATHER AND PRODUCTS	31	1.3	117.9	118.8	120.0	123.9	123.3	123.8	123.2	127.5	122.8	121.0	121.0	119.5	-1.2	1.7
SHOES	314	.6	102.9	100.8	103.7	106.2	105.9	105.8	105.1	109.1	105.0	103.3	101.7	101.2	-4	-6
CLAY, GLASS, STONE PRODUCTS	32	20.8	142.5	144.9	147.0	148.8	151.0	154.9	152.4	153.9	154.5	156.2	155.2	156.9	1.1	6.6
FLAT GLASS	321	1.2	126.0	125.2	124.7	126.1	127.4	129.5	127.4	129.2	128.3	131.1	130.0	131.5	1.1	5.7
PRESSED AND BLOWN GLASS	322	3.5	194.1	196.0	199.3	201.7	203.4	208.8	204.6	206.4	211.0	209.1	203.1	206.4	1.6	3.2
CEMENT	324	8.4	112.4	116.6	119.1	116.5	120.4	124.0	122.9	123.4	122.9	125.8	127.0	128.8	1.4	7.6
STRUCTURAL CLAY PRODUCTS	325	1.3	109.9	110.5	111.6	113.8	114.2	116.9	114.8	115.6	116.6	118.4	118.3	117.8	-4	7.2
CONCRETE PRODUCTS	327	2.3	181.1	184.5	183.6	191.1	198.8	201.1	200.3	200.9	202.4	200.1	205.2	204.8	-2	11.6
PRIMARY METALS	33	192.0	121.2	122.7	122.5	121.5	125.5	129.2	125.5	127.2	130.2	130.3	130.7	130.4	-.2	6.9
BASIC STEEL & MILL PROD.	331	54.4	115.1	117.3	114.5	109.1	116.2	120.6	113.4	118.8	120.7	122.3	123.3	122.8	-4	7.6
IRON & STEEL FOUNDRIES	332	5.9	192.3	200.5	199.4	201.1	205.4	211.1	207.6	211.8	210.7	210.8	210.0	209.8	-1	4.3
PRIMARY NONFERROUS METALS	333	59.5	116.4	116.8	119.2	120.7	122.6	125.6	124.0	124.2	126.3	126.3	126.5	126.7	.1	6.6
ALUMINUM	3334	53.6	113.6	113.5	115.6	118.1	120.5	122.2	121.7	121.4	122.5	122.9	123.6	123.6	0.0	7.5
NONFERROUS MILL PRODUCTS	335	8.4	111.3	112.0	110.9	112.1	114.8	118.5	115.6	117.2	118.9	119.3	117.5	117.8	.3	7.8
NONFERROUS FOUNDRIES	336	1.4	149.6	153.4	157.1	151.3	162.4	168.2	166.5	166.6	168.9	169.0	165.7	168.1	1.5	6.4
FABRICATED METAL PRODUCTS	34	14.8	149.2	152.6	153.0	154.9	157.3	163.0	159.6	162.0	164.5	162.6	162.1	162.6	.3	5.9
METAL CANS	341	1.0	207.4	210.5	213.7	211.2	215.4	216.1	217.8	216.8	212.5	219.1	218.8	220.9	1.0	2.9
HARDWARE	342	1.6	147.5	151.7	148.4	151.9	155.6	160.2	156.7	158.9	163.9	157.7	156.0	155.4	-4	4.6
STRUCTURAL METAL PROD.	344	3.5	123.6	126.2	128.9	134.5	135.5	140.2	138.1	139.4	140.8	140.4	136.1	135.4	-5	5.0
FASTENERS	345	1.2	133.4	136.2	135.2	136.3	143.2	154.8	149.1	154.2	156.0	154.2	153.2	155.4	1.4	14.6
METAL STAMPINGS	346	3.1	153.1	155.9	157.6	153.2	156.8	159.6	157.6	159.7	158.0	161.1	160.1	160.4	.2	1.6
NOELECTRICAL MACHINERY	35	17.3	145.7	145.9	148.2	149.7	149.8	151.6	150.5	151.0	151.1	152.7	152.2	152.1	-.1	3.2
ENGINES AND TURBINES	351	1.4	146.7	146.2	149.0	153.4	146.6	152.9	149.4	148.2	155.1	155.4	150.2	151.5	.8	1.4
FARM EQUIPMENT	352	1.2	126.7	126.8	128.3	130.3	128.4	133.6	128.0	130.7	134.5	135.8	134.7	135.6	.7	4.8
CONSTRUCTION EQUIPMENT	353	3.0	155.4	157.1	159.2	160.9	160.8	161.4	161.6	161.9	160.3	162.0	164.1	163.6	-3	3.7
METALWORKING MACHINERY	354	2.8	118.7	122.4	121.1	117.5	120.9	124.9	123.8	124.8	125.2	124.7	123.8	122.6	-.9	1.5
SPECIAL INDUSTRY MACH.	355	1.5	142.6	143.6	142.9	146.9	145.9	146.1	147.0	145.3	146.4	146.8	143.8	143.7	-.1	.8
GENERAL INDUSTRIAL MACH.	356	2.7	140.4	141.7	144.0	144.2	144.1	143.2	144.3	142.7	144.0	142.8	142.5	142.1	-.3	-3
OFFICE AND COMPUTING MACH.	357	1.4	187.0	183.4	185.7	191.8	192.5	193.7	191.8	193.1	192.8	195.2	193.6	195.1	1.0	5.4
SERVICE INDUSTRY MACH.	358	1.2	157.9	157.1	160.3	159.4	157.7	158.3	157.1	158.3	158.0	158.6	159.1	159.5	.3	-1.1
ELECTRICAL MACHINERY	36	19.2	129.8	131.4	130.3	130.4	131.3	134.5	132.5	133.7	134.5	135.5	135.1	135.7	.4	4.3
ELECT. DISTRIBUTION EQ.	361	1.8	116.2	116.0	117.5	121.1	119.4	124.8	121.3	122.5	125.6	126.4	124.6	125.1	.4	6.9
ELECT. INDUST. APPARATUS	362	3.5	112.7	114.5	113.0	113.5	115.7	120.2	116.1	118.1	119.9	122.4	120.8	124.0	2.6	8.4
HOME APPLIANCES	363	2.2	113.4	116.9	114.2	110.0	114.2	114.6	116.8	113.4	116.7	113.6	114.7	114.8	.1	.8
LIGHTING & WIRING PROD.	364	1.5	148.3	151.7	152.3	152.6	151.7	153.9	153.8	157.4	152.5	151.9	151.0	150.4	-.4	-.4
RADIO AND TV SETS	365	.8	108.2	110.0	109.7	112.3	113.0	114.6	113.7	114.6	114.4	114.8	114.1	115.7	1.4	4.5
COMMUNICATION EQUIP.	366	3.9	142.6	145.9	142.1	140.7	141.2	145.8	141.1	146.1	146.4	145.0	145.3	147.3	1.4	2.9
ELECTROMTC COMPONENTS	367	4.2	138.6	139.1	140.2	140.6	141.2	143.2	141.4	143.1	142.7	143.9	144.2	147.2	2.1	4.3
TRANSPORTATION EQUIPMENT	37	23.6	130.8	133.1	132.2	130.7	131.0	135.5	132.7	136.6	134.0	135.9	135.2	136.6	1.0	3.6
MOTOR VEHICLES AND PARTS	371	12.8	149.1	152.3	151.6	148.3	148.1	154.9	149.8	157.1	152.9	154.8	154.1	154.6	.3	2.1
AIRCRAFT AND PARTS	372	8.4	86.0	86.3	85.1	86.5	86.7	87.4	87.6	87.1	87.5	87.6	90.4	90.5	.1	7.8
SHIPS AND BOATS	373	1.3	131.7	133.2	130.2	129.9	132.9	135.4	134.1	135.4	135.0	135.9	137.7	137.4	-2	6.2
INSTRUMENTS	38	3.1	150.4	150.8	152.4	154.7	158.4	161.1	159.2	160.6	161.0	161.6	160.0	159.3	-.5	4.4
PHOTOGRAPHIC EQUIPMENT	386	1.4	148.4	148.2	147.8	147.7	155.4	156.1	157.7	156.5	154.6	157.2	157.1	158.7	1.0	6.6
MISC. MANUFACTURES	39	2.5	149.1	149.6	150.9	154.9	153.2	154.7	154.5	154.2	154.5	155.6	153.8	155.4	1.0	3.0
SUPPLEMENTARY GROUPINGS																
TOTAL, EXCLUDING ERDA		530.6	134.5	135.5	135.2	135.6	139.0	141.5	140.0	140.7	141.7	142.2	142.3	142.8	.4	5.8
ELECTRIC UTILITIES		462.6	147.6	149.9	148.3	143.6	149.4	155.1	153.1							

INDUSTRIAL ELECTRIC POWER USE

NOT SEASONALLY ADJUSTED INDEXES, 1967 = 100

SERIES	SIC (1967)	BIL. KWH. 1967	1977 AVG.	1977			1978			1978					PER CENT CH. FROM PREV. MO. (P)		PER CENT CH. FROM PREV. YR. (P)	
				Q 3	Q 4	Q 1	Q 2	Q 3	JUNE	JULY	AUG	SEP	OCT	NOV				
CHEMICALS AND PRODUCTS	28	116.8	140.4	140.3	141.5	121.9	134.6	139.7	140.4	137.5	139.4	142.3	147.2	144.8	-1.6	3.0		
BASIC CHEMICALS	2811	96.4	131.7	130.0	133.2	109.5	122.9	127.6	129.0	125.4	127.1	130.5	137.4	135.1	-1.7	2.3		
ALKALIES AND CHLORINE	2812	12.3	144.4	146.0	149.0	143.8	148.3	150.1	146.9	149.7	151.6	149.0	149.9	152.3	1.6	1.3		
BASIC ORGANIC CHEM. NEC	2818	24.8	136.8	140.4	137.3	134.4	142.5	146.5	145.1	145.7	146.6	147.2	145.9	146.6	.5	7.1		
INORGANIC CHEM. NEC	2819	48.6	135.0	129.4	136.6	94.2	113.6	119.4	123.4	115.9	117.9	124.4	137.5	132.7	-3.5	-1.3		
ACID AND FERT. MAT'LS.		18.8	109.1	108.7	110.5	105.5	107.8	106.8	107.1	108.7	106.5	105.1	110.9					
ERDA		29.8	151.5	142.6	153.2	87.0	117.3	127.4	133.7	120.4	125.1	136.7	154.5					
SYNTHETIC MATERIALS	282	12.1	186.9	193.6	184.4	181.8	192.0	201.0	197.3	198.5	202.4	202.2	199.0	195.5	-1.8	6.6		
PLASTICS MATERIALS	2821	4.4	177.0	185.0	176.8	172.1	184.5	201.3	191.2	191.9	198.5	201.6	198.9	194.2	-2.3	10.0		
OTHER SYNTHETICS	2822-41	7.7	192.2	198.3	188.5	187.0	196.1	203.0	200.6	202.0	204.5	202.5	199.1	196.2	-1.5	4.9		
DRUGS	2831	2.0	185.0	201.7	183.7	169.6	186.6	203.7	200.7	204.6	201.6	205.0	199.0	187.5	-5.8	1.1		
SOAP AND TOILETRIES	2841	1.0	140.8	146.5	144.2	139.8	141.7	152.0	146.3	148.3	148.4	159.4	154.0	150.9	-2.0	4.0		
FARM CHEMICALS	2871	2.7	150.4	150.2	152.7	152.4	155.9	152.6	153.3	152.0	153.7	152.2	157.0	156.3	-2.0	3.1		
PETROLEUM PRODUCTS	29	22.3	168.2	174.6	172.0	167.7	171.4	180.7	177.5	179.6	181.2	181.4	178.0	179.8	1.0	4.4		
RUBBER AND PLASTICS PROD.	30	10.8	171.7	172.7	176.7	173.5	179.9	182.2	183.9	173.2	184.0	189.5	190.8	187.6	-1.6	4.8		
TIRES	3011	3.2	147.8	149.0	146.9	138.6	141.8	140.5	145.2	133.8	142.6	145.0	148.4	141.2	-4.9	-3.1		
RUBBER PRODUCTS NEC	3061	2.3	127.9	127.5	129.6	126.0	129.6	132.4	133.6	124.3	136.3	136.7	134.9	134.0	-7.7	1.5		
PLASTICS PRODUCTS NEC	3071	4.8	206.1	207.9	217.4	218.0	228.7	233.3	233.1	222.6	234.2	243.3	244.4	243.5	-2.4	9.6		
LEATHER AND PRODUCTS	31	1.3	117.9	120.1	120.5	121.2	123.9	125.1	127.5	117.8	129.1	128.4	123.9	121.4	-2.0	1.7		
SHOES	3141	.6	102.9	103.6	103.2	103.4	105.9	108.7	108.9	102.0	113.3	110.8	103.6	101.5	-2.0	-6.6		
CLAY, GLASS, STONE PRODUCTS	32	20.8	142.5	148.7	149.2	139.9	153.6	158.9	156.7	155.9	160.2	160.6	161.8	160.4	-2.9	6.6		
FLAT GLASS	3211	1.2	126.0	127.7	125.0	123.1	127.4	132.1	128.3	128.9	133.1	134.3	137.2	131.1	-4.5	5.7		
PRESSED AND BLOWN GLASS	3221	3.5	194.1	198.7	200.1	195.9	205.4	211.7	208.5	209.1	214.7	211.2	212.2	208.5	-1.8	3.2		
CEMENT	3241	8.4	112.4	122.9	122.2	103.1	124.6	130.8	127.7	128.1	131.8	132.4	134.6	132.2	-1.8	7.6		
STRUCTURAL CLAY PRODUCTS	3251	1.3	109.9	108.8	113.2	113.5	114.6	115.1	115.6	113.0	115.9	116.3	118.9	121.6	2.3	7.2		
CONCRETE PRODUCTS	3271	2.3	181.1	187.3	186.9	182.5	201.1	204.2	205.9	200.1	207.0	205.5	212.6	213.4	.4	11.6		
PRIMARY METALS	33	132.0	121.2	119.7	121.9	122.6	128.2	126.0	126.0	124.4	126.7	127.1	131.4	129.0	-1.8	6.9		
BASIC STEEL & MILL PROD.	3311	54.4	115.1	113.0	112.9	111.6	119.5	116.1	114.4	113.9	117.1	117.4	122.3	120.1	-1.8	7.6		
IRON & STEEL FOUNDRIES	3321	5.9	192.3	189.0	202.6	202.3	212.7	198.9	213.4	188.1	198.2	210.4	220.1	214.8	-2.4	4.3		
PRIMARY NONFERROUS METALS	3331	59.5	116.4	115.9	119.1	120.3	123.8	124.6	123.7	125.2	124.7	124.0	127.9	125.1	-2.2	6.6		
ALUMINUM	3334	53.6	113.6	114.2	115.5	116.6	121.2	123.0	121.4	123.9	123.0	122.0	125.0	121.7	-2.6	7.5		
NONFERROUS MILL PRODUCTS	3351	8.4	111.3	109.0	109.5	113.5	117.8	115.3	118.2	111.1	117.6	117.1	119.4	117.3	-1.7	7.8		
NONFERROUS FOUNDRIES	3361	1.4	149.6	148.1	157.3	155.0	163.8	162.4	168.1	156.8	161.1	169.4	170.5	171.3	.5	6.4		
FABRICATED METAL PRODUCTS	34	14.8	149.2	151.2	153.4	154.7	158.4	161.5	161.7	156.5	162.4	165.7	166.7	164.2	-1.5	5.9		
METAL CANS	3411	1.0	207.4	223.0	206.1	206.3	215.3	228.9	222.3	229.2	228.8	228.8	222.1	211.2	-4.9	2.9		
HARDWARE	3421	1.6	147.5	147.8	150.9	152.8	156.0	155.9	157.8	153.1	153.9	160.7	163.3	158.8	-2.7	4.6		
STRUCTURAL METAL PROD.	3441	3.5	123.6	123.8	130.4	135.2	135.7	137.5	137.5	133.1	140.4	138.9	140.1	138.3	-1.3	5.0		
FASTENERS	3451	1.2	133.4	133.0	134.9	138.2	144.9	151.1	151.4	145.9	151.0	156.5	156.4	156.5	.1	14.6		
METAL STAMPINGS	3461	3.1	153.1	153.6	158.0	152.6	159.0	157.3	160.3	150.9	157.3	163.7	167.1	163.5	-2.2	1.6		
NONELECTRICAL MACHINERY	35	17.3	145.7	149.2	147.7	146.4	150.0	155.0	155.3	150.5	153.5	160.9	156.9	154.1	-1.8	3.2		
ENGINES AND TURBINES	3511	1.4	146.7	146.3	149.5	151.1	148.2	152.9	153.6	149.2	149.1	160.5	157.4	156.0	-2.9	1.4		
FARM EQUIPMENT	3521	1.2	126.7	123.5	128.1	128.7	133.4	130.3	140.1	121.0	123.7	146.2	140.8	136.1	-3.3	4.8		
CONSTRUCTION EQUIPMENT	3531	3.0	155.4	157.5	160.0	159.8	160.7	161.8	163.3	156.1	157.9	171.3	166.5	168.8	1.4	3.7		
METALWORKING MACHINERY	354	2.8	118.7	121.6	120.9	118.5	120.7	124.1	124.8	120.6	123.8	127.9	127.9	123.0	-3.8	1.5		
SPECIAL INDUSTRY MACH.	3551	1.5	142.6	144.9	142.7	145.0	146.6	147.4	150.8	142.4	147.5	152.3	147.3	145.7	-1.1	.8		
GENERAL INDUSTRIAL MACH.	3561	2.7	140.4	143.1	144.2	141.8	144.6	144.7	148.1	139.7	144.2	150.1	146.9	144.9	-1.4	-3.4		
OFFICE AND COMPUTING MACH.	3571	1.4	187.0	197.8	185.1	179.6	190.1	208.9	200.7	207.0	208.4	211.2	204.0	197.3	-3.3	5.4		
SERVICE INDUSTRY MACH.	3581	1.2	157.9	165.1	156.5	152.3	160.3	166.4	168.0	169.1	161.3	168.9	164.0	157.1	-4.2	-1.1		
ELECTRICAL MACHINERY	36	19.2	129.8	135.5	130.1	125.6	132.2	138.7	137.2	134.7	137.1	144.2	141.6	136.7	-3.4	4.3		
ELECT. DISTRIBUTION EQ.	3611	1.8	116.2	119.4	116.4	117.3	120.7	128.4	125.7	129.0	124.0	132.3	131.9	123.9	-6.0	6.9		
ELECT. INDUSTR. APPARATUS	3621	3.5	112.7	115.0	112.4	111.9	117.3	120.7	119.3	117.4	120.5	124.3	126.1	120.3	-4.6	8.4		
HOME APPLIANCES	3631	2.2	113.4	118.6	112.7	108.6	115.4	116.2	120.9	114.3	113.7	120.8	119.3	114.9	-3.7	.8		
LIGHTING & WIRING PROD.	364	1.5	148.3	148.1	153.1	151.1	155.7	150.2	161.3	146.7	143.2	160.7	157.4	153.9	-2.3	-4.4		
RADIO AND TV SETS	3651	.8	108.2	119.8	108.8	103.9	112.2	124.8	119.9	120.0	126.3	128.2	119.4	116.1	-2.8	4.5		
COMMUNICATION EQUIP.	3661	3.9	142.6	152.6	144.1	131.7	140.5	153.6	147.8	148.6	153.3	158.9	157.3	150.6	-4.2	2.9		
ELECTRONIC COMPONENTS	3671	4.2	138.6	147.9	139.1	132.5	141.2	152.3	148.5	148.1	151.4	157.4	150.8	146.9	-2.6	4.3		
TRANSPORTATION EQUIPMENT	37	23.6	130.8	133.6	133.7	127.3	132.4	136.0	135.9	132.5	134.8	140.8	142.9	141.8	-2.8	3.6		
MOTOR VEHICLES AND PARTS	3711	12.8	149.1	150.6	154.2	144.7	150.9	153.3	154.6	148.5	151.2	160.0	162.9	162.7	-1.1	2.1		
AIRCRAFT AND PARTS	3721	8.4	86.0	90.5	84.5	82.8	86.6	91.6	89.2	91.0	91.3	92.6	93.6	91.8	-2.0	7.8		
SHIPS AND BOATS	3731	1.3	131.7	132.8	129.9	132.1	131.2	135.0	135.2	133.2	135.7	136.2	139.2	140.0	.6	6.2		
INSTRUMENTS	38	3.1	150.4	161.3	151.5	145.0	157.9	172.4	167.5	168.8	171.5	176.8	167.5	159.1	-5.0	4.4		
PHOTOGRAPHIC EQUIPMENT	3861	1.4	148.4	156.1	147.4	139.3	156.3	164.3	164.9	162.9	164.6	165.6	164.5	156.9	-4.6	6.6		
MISC. MANUFACTURES	39	2.5	149.1	155.3	151.4	149.1	152.5	160.6	157.7	152.3	162.8	166.8	161.8	157.0	-3.0	3.0		
SUPPLEMENTARY GROUPINGS																		
TOTAL, EXCLUDING ERDA		530.6	134.5	135.8	135.6	133.5	140.2	141.9	142.0	139.2	142.7	14						

Explanatory Note

Coverage. The industrial production index is a measure of the physical output of the Nation's factories, mines, and electric and gas utilities expressed as a percentage of production in a base period, currently 1967. The 235 individual series representing Standard Industrial Classification (SIC), 1967 edition, codes 10-14, 19-39, 49, and 91 (part) are calculated first as index series relatives. These relatives are aggregated into: (1) market groupings (such as consumer goods, equipment, intermediate products, and materials) from which the total is derived and (2) industry groupings (for example, SIC 2-digit industries) and major aggregates of these groupings, such as manufacturing, mining, and utilities.

Timing. A first estimate of output for a month is published about the 15th of the following month. This estimate may revise in each of the next 3 months as new data become available. After the fourth month, indexes are not further revised until an annual or a benchmark revision.

Source data. The monthly indexes of industrial production are built up from data of two types: (1) directly-measured physical product data, (2) estimates of physical product output derived from input data adjusted by conversion factors that relate these inputs to physical output. The directly measured physical product data (lbs., tons, etc.) are obtained from reports of the Bureau of the Census, Bureau of Mines, other Government agencies, and trade associations. Estimates of physical output based on input data are used when appropriate monthly physical product data are not available. The major input data are (1) hours worked by production workers as indicated by the monthly establishment survey of the Bureau of Labor Statistics, and (2) industrial electric power use as ascertained from utilities by the Federal Reserve Banks. The input conversion estimates are based mainly on their historical trends and recent developments.

Seasonal adjustment. Individual series are seasonally adjusted by the X-11 version of the Method II seasonal adjustment procedure developed by the Bureau of the Census. The seasonal adjustment factors for the basic aggregate series in the summary table and in Tables 1 and 3 are reviewed and edited monthly. The seasonal factors currently being used were developed from data only through 1974 in order to diminish the effect of the subsequent sharp recession and recovery on the seasonal factors.

Weights. The total index and various groupings of component series are combined on the basis of 1967 value-added weights (shown in the first column of the index tables). The gross-value-weighted product series are expressed in terms of 1972 dollars.

Formula. The symbolic expression for the total index (I) is:

$$I_t = \Sigma \left(\frac{q_{67}p_{67}}{\Sigma q_{67}p_{67}} \right) \cdot \left(\frac{q_t}{q_{67}} \right) \cdot 100 = \frac{\Sigma q_t p_{67}}{\Sigma q_{67} p_{67}} \cdot 100$$

where q is quantity, p is Census value-added per unit of output, and t represents the t -th period.

Reliability. The median of the revisions in total IP, without regard to sign, between the first and fourth estimates is 0.25 per cent; that is, in about half of the cases, the absolute value of the revision from the first to the fourth estimate was less than 0.25 per cent. (Calculated on the basis of data for the August 1971 to July 1976 period.)

Rounding. Changes shown for index components may not aggregate to changes for totals due to independent rounding.