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# 1992 Census of Manufactures

MC92-I-31A

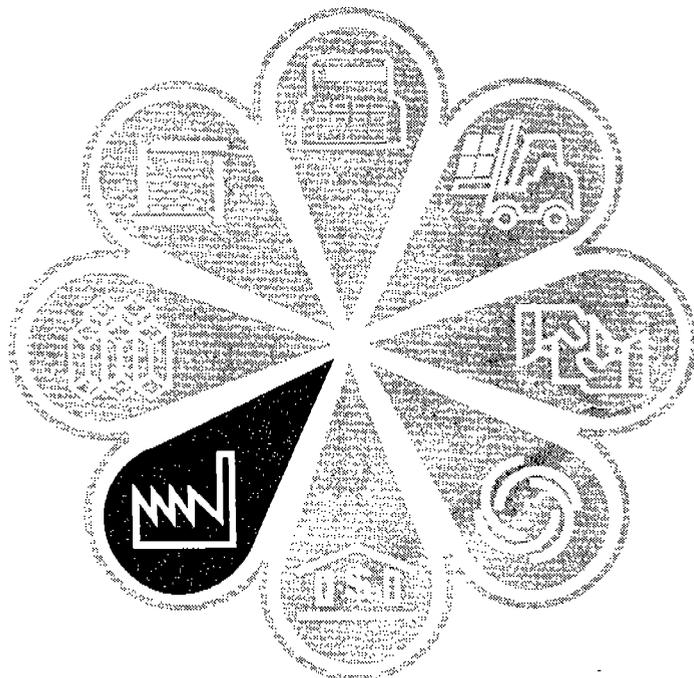
INDUSTRY SERIES

## Tanning; Industrial Leather Goods; and Shoes

Industries 3111, 3131, 3142, 3143, 3144,  
and 3149

Note: This is a reference cited in AP 42, *Compilation of Air Pollutant Emission Factors, Volume I Stationary Point and Area Sources*. AP42 is located on the EPA web site at [www.epa.gov/ttn/chief/ap42/](http://www.epa.gov/ttn/chief/ap42/)

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# Description of Industries and Summary of Findings

This report shows 1992 Census of Manufactures statistics for establishments classified in each of the following industries:

## SIC code and title

3111	Leather Tanning and Finishing
3131	Footwear Cut Stock
3142	House Slippers
3143	Men's Footwear, Except Athletic
3144	Women's Footwear, Except Athletic
3149	Footwear, Except Rubber, N.E.C.

The industry statistics (employment, payroll, cost of materials, value of shipments, inventories, etc.) are reported for each establishment as a whole. Aggregates of such data for an industry reflect not only the primary activities of the establishments but also their activities in the manufacture of secondary products as well as their miscellaneous activities (contract work on materials owned by others, repair work, etc.). This fact should be taken into account in comparing industry statistics (tables 1 through 5a) with product statistics (table 6) showing shipments by all industries of the primary products of the specified industry. The extent of the "product mix" is indicated in table 5b, which shows the value of primary and secondary products shipped by establishments classified in the specified industry and the value of primary products of the industry shipped as secondary products by establishments classified in other industries.

Establishment data were tabulated based on industry definitions included in the *1987 Standard Industrial Classification (SIC) Manual*<sup>1</sup>. The 1987 edition represents a major revision for manufacturing industries from the 1972 edition and its 1977 supplement. In addition to the 1987 SIC revision, changes were made to the product class (five-digit) and product code (seven-digit) categories. The product class and product code comparability between the 1992 and 1987 censuses is shown in appendix C. This appendix presents, in tabular form, the linkage from 1992 to 1987, and 1987 to 1992.

<sup>1</sup>*Standard Industrial Classification Manual: 1987*. For sale by Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402. Stock No. 041-001-00314-2.

All dollar figures included in this report are at prices current for the year specified and, therefore, unadjusted for changes in price levels. Consequently, when making comparisons to prior years, users should take into consideration the inflation that has occurred.

## INDUSTRY 3111, LEATHER TANNING AND FINISHING

This industry is made up of establishments primarily engaged in tanning, currying, and finishing hides and skins into leather. Also included in this industry are establishments primarily engaged in leather converting (buying hides and skins and having them processed into leather on a contract basis by others).

The 1992 definition of this industry is the same as that used in the 1987 Standard Industrial Classification (SIC) system. The SIC number and title also are the same.

In the 1992 Census of Manufactures, Industry 3111, Leather Tanning and Finishing, had employment of 16.6 thousand. The employment figure was 14 percent above the 14.6 thousand reported in 1987. Compared with 1991, employment increased 44 percent. The 1991 data are based on the Census Bureau's annual survey of manufactures (ASM), which is a sample survey conducted each year between censuses.

The leading States in employment in 1992 were Pennsylvania, Michigan, and Wisconsin accounting for approximately 36 percent of the industry's employment. This represents a shift from 1987 when New York, Wisconsin, and Pennsylvania accounted for approximately 35 percent of the industry's employment.

The total value of shipments for establishments classified in this industry was \$2.9 billion.

Establishments in virtually all industries ship secondary products as well as products primary to the industry in which they are classified and have some miscellaneous receipts, such as resales and contract receipts. Industry 3111 shipped \$2.8 billion of products considered primary to the industry, \$51.5 million of secondary products, and had \$61.5 million of miscellaneous receipts, resales, and contract work. Thus, the ratio of primary products to the total of both secondary and primary products shipped by establishments in this industry was 98 percent (specialization ratio). In 1987, the specialization ratio also was 98 percent.

Establishments in this industry also accounted for 95 percent of products considered primary to the industry no matter where they were actually produced (coverage ratio). In 1987, the coverage ratio was 96 percent.

The products primary to industry 3111, no matter in what industry they were produced, appear in table 6a and aggregate to \$2.9 billion. For further explanation of specialization and coverage ratios, see table 5b and the appendixes.

The total cost of materials, services, and fuels and energy used by establishments classified in the leather tanning and finishing industry amounted to \$2.0 billion. Data on specific materials consumed appear in table 7.

Single-establishment companies in this industry with less than 20 employees were excluded from the mail portion of the census. The data for these establishments (and a small number of larger establishments whose reports were not received at the time the data were tabulated) were obtained from administrative records of other agencies or developed from industry averages. These establishments accounted for 5 percent of the total value of shipments.

### **INDUSTRY 3131, FOOTWEAR CUT STOCK**

This industry is made up of establishments primarily engaged in manufacturing leather soles, innersoles, other boot and shoe cut stock and findings, and finished wood heels. Establishments primarily engaged in manufacturing heels, soles, and soling strips and soles made of rubber, composition, plastics, and fiber are classified in Major Group 30, Rubber and Miscellaneous Plastics Products.

The 1992 definition of this industry is the same as that used in the 1987 Standard Industrial Classification (SIC) system. The SIC number and title also are the same.

In the 1992 Census of Manufactures, Industry 3131, Footwear Cut Stock, had employment of 3.7 thousand. The employment figure was 26 percent below the 5.0 thousand reported in 1987. Compared with 1991, employment decreased 29 percent. The 1991 data are based on the Census Bureau's annual survey of manufactures (ASM), which is a sample survey conducted each year between censuses.

The leading States in employment in 1992 were Massachusetts and Missouri. These same States were the leaders in 1987.

The total value of shipments for establishments classified in this industry was \$316.9 million.

Establishments in virtually all industries ship secondary products as well as products primary to the industry in which they are classified and have some miscellaneous receipts, such as resales and contract receipts. Industry 3131 shipped \$290.3 million of products considered primary to the industry, \$20.5 million of secondary products, and had \$6.1 million of miscellaneous receipts, resales, and contract work. Thus, the ratio of primary products to

the total of both secondary and primary products shipped by establishments in this industry was 93 percent (specialization ratio). In 1987, the specialization ratio was 97 percent.

Establishments in this industry also accounted for 92 percent of products considered primary to the industry no matter where they were actually produced (coverage ratio). In 1987, the coverage ratio was 93 percent.

The products primary to industry 3131, no matter in what industry they were produced, appear in table 6a and aggregate to \$315.1 million. For further explanation of specialization and coverage ratios, see table 5b and the appendixes.

The total cost of materials, services, and fuels and energy used by establishments classified in the footwear cut stock industry amounted to \$163.7 million. Data on specific materials consumed appear in table 7.

Single-establishment companies in this industry with less than 10 employees were excluded from the mail portion of the census. The data for these establishments (and a small number of larger establishments whose reports were not received at the time the data were tabulated) were obtained from administrative records of other agencies or developed from industry averages. These establishments accounted for 3 percent of the total value of shipments.

### **INDUSTRY 3142, HOUSE SLIPPERS**

This industry is made up of establishments primarily engaged in manufacturing house slippers of leather or other materials. Products of this industry also are collected in the Current Industrial Report (CIR) MA31A, Footwear. For information regarding the CIR, see Contacts for Data Users at the end of the Census of Manufactures section.

The 1992 definition of this industry is the same as that used in the 1987 Standard Industrial Classification (SIC) system. The SIC number and title also are the same.

In the 1992 Census of Manufactures, Industry 3142, House Slippers, had employment of 3.8 thousand. The employment figure was 3 percent above the 3.7 thousand reported in 1987.

The leading States in employment in 1992 were New York, Maine, New Jersey, and North Carolina. These same States were the leaders in 1987.

The total value of shipments for establishments classified in this industry was \$285.1 million.

Establishments in virtually all industries ship secondary products as well as products primary to the industry in which they are classified and have some miscellaneous receipts, such as resales and contract receipts. Industry 3142 shipped \$253.9 million of products considered primary to the industry. Figures for secondary products, miscellaneous receipts, and contract work were not shown.

Establishments in this industry also accounted for 98 percent of products considered primary to the industry no matter where they were actually produced (coverage ratio). In 1987, the coverage ratio was 97 percent.

Table 1a. **Historical Statistics for the Industry: 1992 and Earlier Years**

[Excludes data for auxiliaries. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Year <sup>1</sup>	All establishments <sup>3</sup>			All employees		Production workers			Value added by manuf-actures <sup>4</sup> (million dollars)	Cost of materials <sup>5</sup> (million dollars)	Value of shipments <sup>6</sup> (million dollars)	New capital expenditures <sup>8</sup> (million dollars)	End-of-year inventories <sup>7</sup> (million dollars)	Ratios	
	Companies <sup>2</sup> (no.)	Total (no.)	With 20 employ-ees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)						Speciali-zation <sup>7</sup> (per-cent)	Cover-age <sup>8</sup> (per-cent)
<b>INDUSTRY 3111, LEATHER TANNING AND FINISHING</b>															
1992 Census	297	332	126	16.6	420.3	13.3	27.9	293.5	895.9	2 035.9	2 910.4	48.5	465.4	98	95
1991 ASM	(NA)	(NA)	(NA)	11.5	278.3	9.8	19.1	202.9	710.1	1 485.8	2 183.1	41.4	353.7	(NA)	(NA)
1990 ASM	(NA)	(NA)	(NA)	12.1	282.2	10.3	21.2	203.1	779.9	1 638.5	2 410.9	39.0	394.5	(NA)	(NA)
1989 ASM	(NA)	(NA)	(NA)	12.3	281.5	10.6	21.4	207.0	875.8	1 715.8	2 501.4	47.9	426.5	(NA)	(NA)
1988 ASM	(NA)	(NA)	(NA)	15.1	314.4	12.5	25.5	226.6	839.5	1 661.8	2 487.8	34.6	419.8	(NA)	(NA)
1987 Census	311	344	139	14.6	291.6	12.1	24.6	211.9	747.4	1 496.5	2 218.6	27.7	383.4	98	96
1986 ASM	(NA)	(NA)	(NA)	13.2	249.1	10.9	22.1	181.7	474.9	1 114.8	1 589.1	20.7	264.6	(NA)	(NA)
1985 ASM	(NA)	(NA)	(NA)	14.2	262.5	11.7	23.6	189.4	508.6	1 128.0	1 643.0	23.5	272.7	(NA)	(NA)
1984 ASM	(NA)	(NA)	(NA)	16.7	291.5	14.0	26.7	212.0	573.7	1 220.3	1 813.6	21.8	288.3	(NA)	(NA)
1983 ASM	(NA)	(NA)	(NA)	19.5	332.0	16.2	31.8	242.6	649.5	1 271.3	1 881.7	41.0	313.0	(NA)	(NA)
1982 Census	342	384	172	19.5	310.6	16.2	31.1	225.2	579.8	1 165.1	1 753.0	33.2	267.0	99	99
1981 ASM	(NA)	(NA)	(NA)	20.4	304.2	17.4	33.9	231.3	647.7	1 272.8	1 928.7	47.9	241.8	(NA)	(NA)
1980 ASM	(NA)	(NA)	(NA)	20.7	281.3	17.5	32.8	207.6	610.0	1 200.4	1 822.7	48.3	242.8	(NA)	(NA)
1979 ASM	(NA)	(NA)	(NA)	21.2	264.9	17.9	33.2	196.7	559.1	1 252.1	1 803.0	43.9	241.3	(NA)	(NA)
1978 ASM	(NA)	(NA)	(NA)	23.0	270.8	19.7	36.4	204.6	564.3	1 041.5	1 579.7	51.1	226.3	(NA)	(NA)
1977 Census	428	465	191	23.0	254.8	19.6	38.2	192.2	535.1	927.6	1 456.1	30.7	187.6	99	99
<b>INDUSTRY 3131, FOOTWEAR CUT STOCK</b>															
1992 Census	94	100	38	3.7	63.3	3.1	5.8	42.3	148.6	163.7	316.9	3.3	39.9	93	92
1991 ASM	(NA)	(NA)	(NA)	5.2	83.4	4.6	8.5	64.3	182.0	199.8	382.5	1.9	38.7	(NA)	(NA)
1990 ASM	(NA)	(NA)	(NA)	5.2	93.6	4.4	8.0	62.0	196.4	217.1	413.3	3.6	43.0	(NA)	(NA)
1989 ASM	(NA)	(NA)	(NA)	4.4	73.5	3.7	6.7	53.8	173.5	187.5	359.0	2.1	41.7	(NA)	(NA)
1988 ASM	(NA)	(NA)	(NA)	4.5	66.0	3.8	7.2	47.2	128.0	196.4	321.7	2.5	43.2	(NA)	(NA)
1987 Census	114	127	57	5.0	69.6	4.3	8.5	49.8	141.4	182.9	324.1	3.3	38.2	97	93
1986 ASM	(NA)	(NA)	(NA)	4.3	56.3	3.8	6.8	41.2	97.2	149.4	246.5	2.1	27.0	(NA)	(NA)
1985 ASM	(NA)	(NA)	(NA)	5.4	64.5	4.7	8.2	45.5	111.1	168.8	277.3	2.9	34.0	(NA)	(NA)
1984 ASM	(NA)	(NA)	(NA)	6.0	73.8	5.1	9.3	52.6	128.3	186.5	313.8	2.8	36.3	(NA)	(NA)
1983 ASM	(NA)	(NA)	(NA)	6.3	75.7	5.7	10.6	57.3	142.0	206.7	353.1	4.5	50.1	(NA)	(NA)
1982 Census	149	161	80	6.8	80.8	5.7	10.4	54.4	154.7	212.8	367.8	6.0	48.6	94	94
1981 ASM	(NA)	(NA)	(NA)	9.8	105.5	8.4	15.3	76.7	219.6	270.4	488.4	8.4	53.6	(NA)	(NA)
1980 ASM	(NA)	(NA)	(NA)	10.0	93.1	8.7	15.4	70.4	196.3	234.2	431.5	6.3	43.7	(NA)	(NA)
1979 ASM	(NA)	(NA)	(NA)	9.6	82.3	8.1	13.9	57.0	142.1	218.0	365.8	3.6	38.0	(NA)	(NA)
1978 ASM	(NA)	(NA)	(NA)	9.4	73.6	8.3	14.0	55.5	117.2	181.4	298.4	3.9	35.8	(NA)	(NA)
1977 Census	174	190	96	8.5	65.3	7.4	13.0	48.8	109.4	159.1	270.6	3.0	31.2	90	92
<b>INDUSTRY 3142, HOUSE SLIPPERS</b>															
1992 Census	28	31	21	3.8	59.2	3.0	5.5	35.6	176.3	109.6	285.1	2.1	48.5	(D)	96
1991 ASM	(NA)	(NA)	(NA)	4.0	61.3	3.2	6.1	41.4	158.0	116.6	277.3	2.4	67.2	(NA)	(NA)
1990 ASM	(NA)	(NA)	(NA)	4.3	58.9	3.4	6.5	39.6	160.7	113.1	276.0	3.3	74.6	(NA)	(NA)
1989 ASM	(NA)	(NA)	(NA)	4.7	63.3	3.9	6.9	44.1	160.9	139.0	286.8	3.8	81.1	(NA)	(NA)
1988 ASM	(NA)	(NA)	(NA)	3.8	52.6	3.0	6.2	34.5	133.1	114.3	244.3	4.1	50.6	(NA)	(NA)
1987 Census	34	37	23	3.7	50.3	3.0	5.6	30.1	132.9	99.6	232.5	2.7	42.9	89	97
1986 ASM	(NA)	(NA)	(NA)	4.7	57.3	3.9	6.6	36.2	103.4	104.3	208.7	6.0	44.4	(NA)	(NA)
1985 ASM	(NA)	(NA)	(NA)	5.7	62.5	4.9	8.7	46.0	112.3	110.6	223.2	4.2	50.5	(NA)	(NA)
1984 ASM	(NA)	(NA)	(NA)	6.5	68.8	5.4	9.3	49.4	133.6	118.5	248.4	4.1	53.1	(NA)	(NA)
1983 ASM	(NA)	(NA)	(NA)	6.4	64.2	5.4	9.8	45.8	128.9	108.6	241.9	2.6	52.3	(NA)	(NA)
1982 Census	53	62	44	7.5	71.3	6.4	11.2	51.7	149.7	128.8	275.8	3.1	46.1	96	98
1981 ASM	(NA)	(NA)	(NA)	8.8	75.9	7.5	12.7	57.5	149.4	124.2	268.2	3.5	42.3	(NA)	(NA)
1980 ASM	(NA)	(NA)	(NA)	9.2	74.0	7.7	13.4	55.3	190.9	135.0	323.1	2.3	38.8	(NA)	(NA)
1979 ASM	(NA)	(NA)	(NA)	8.8	66.2	7.5	12.6	48.1	150.4	109.9	261.0	1.5	32.5	(NA)	(NA)
1978 ASM	(NA)	(NA)	(NA)	8.1	58.9	6.9	11.6	42.8	136.0	101.5	232.0	2.5	37.1	(NA)	(NA)
1977 Census	65	78	55	8.1	54.5	7.0	11.7	39.6	108.8	92.7	201.2	2.3	29.7	94	96
<b>INDUSTRY 3143, MEN'S FOOTWEAR, EXCEPT ATHLETIC</b>															
1992 Census	108	140	88	24.2	398.9	20.0	36.6	282.4	1 087.7	1 135.6	2 209.5	32.8	390.4	88	96
1991 ASM	(NA)	(NA)	(NA)	24.5	387.0	21.0	35.4	274.1	997.9	1 054.5	2 064.0	18.1	379.8	(NA)	(NA)
1990 ASM	(NA)	(NA)	(NA)	28.5	444.9	24.6	44.0	312.8	1 058.6	1 080.3	2 148.8	22.8	465.3	(NA)	(NA)
1989 ASM	(NA)	(NA)	(NA)	30.7	462.1	26.6	47.4	342.0	1 083.1	1 157.8	2 228.4	21.2	511.1	(NA)	(NA)
1988 ASM	(NA)	(NA)	(NA)	31.0	438.0	26.9	49.0	328.7	1 093.6	1 095.8	2 167.9	17.4	493.4	(NA)	(NA)
1987 Census	110	154	111	31.6	434.1	27.5	51.3	326.4	1 046.7	1 056.6	2 104.8	17.4	445.1	91	96
1986 ASM	(NA)	(NA)	(NA)	31.8	416.6	28.0	49.3	315.8	913.1	968.8	1 891.4	16.2	358.2	(NA)	(NA)
1985 ASM	(NA)	(NA)	(NA)	34.9	435.9	30.8	53.8	336.8	1 051.4	1 031.8	2 070.5	28.9	365.3	(NA)	(NA)
1984 ASM	(NA)	(NA)	(NA)	40.1	472.7	35.3	61.5	368.4	1 118.9	1 104.0	2 230.6	28.0	374.9	(NA)	(NA)
1983 ASM	(NA)	(NA)	(NA)	43.0	494.1	38.0	67.1	380.8	1 138.7	1 120.5	2 264.0	18.8	386.5	(NA)	(NA)
1982 Census	129	203	159	46.5	503.1	40.7	69.6	382.2	1 101.4	1 141.3	2 261.4	28.3	399.2	89	95
1981 ASM	(NA)	(NA)	(NA)	49.2	518.1	43.9	80.1	412.4	1 280.3	1 213.3	2 458.5	47.4	393.9	(NA)	(NA)
1980 ASM	(NA)	(NA)	(NA)	46.7	441.6	41.9	74.2	354.4	1 084.7	1 061.0	2 149.0	22.9	331.3	(NA)	(NA)
1979 ASM	(NA)	(NA)	(NA)	50.8	443.7	45.3	80.4	347.8	957.3	1 039.5	1 964.3	25.5	371.4	(NA)	(NA)
1978 ASM	(NA)	(NA)	(NA)	54.2	444.3	48.8	87.8	351.5	896.5	959.1	1 827.3	18.0	318.5	(NA)	(NA)
1977 Census	115	213	180	55.0	417.0	49.2	90.1	332.2	871.9	880.0	1 734.5	14.5	272.2	92	96
<b>INDUSTRY 3144, WOMEN'S FOOTWEAR, EXCEPT ATHLETIC</b>															
1992 Census	99	127	77	15.0	219.5	13.2	23.7	166.1	636.9	479.6	1 095.1	10.5	114.8	94	82
1991 ASM	(NA)	(NA)	(NA)	19.0	247.9	17.0	31.0	182.7	505.5	1 153.7	9.1	90.1	(NA)	(NA)	
1990 ASM	(NA)	(NA)	(NA)	21.8	292.8	19.1	35.8	213.4	682.7	727.9	1 393.2	13.4	154.4	(NA)	(NA)
1989 ASM	(NA)	(NA)	(NA)	23.1	290.3	20.5	40.5	225.7	703.0	645.7	1 351.3	11.1	135.4	(NA)	(NA)
1988 ASM	(NA)	(NA)	(NA)	26.1	320.2	23.3	44.6	250.1	716.2	655.4	1 373.4	12.4	156.4	(NA)	(NA)
1987 Census	123	163	123	26.6	320.0	23.7	45.5	253.2	755.8	572.4	1 316.0	11.3	121.5	93	88
1986 ASM	(NA)	(NA)	(NA)	30.2	341.9	26.3	46.5	269.8	812.3	597.8	1 425.9	13.8	180.5	(NA)	(NA)
1985 ASM	(NA)	(NA)	(NA)	34.3	378.8	30.3	54.9	296.1	919.6	684.1	1 613.0	12.3	206.8	(NA)	(NA)
1984 ASM	(NA)	(NA)	(NA)	40.7	431.2	36.1	63.7	338.9	987.1	737.1	1 728.1	23.2	222.6	(NA)	(

**Table 1a. Historical Statistics for the Industry: 1992 and Earlier Years—Con.**

[Excludes data for auxiliaries. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Year <sup>1</sup>	All establishments <sup>3</sup>			All employees		Production workers			Value added by manufacture <sup>4</sup> (million dollars)	Cost of materials <sup>5</sup> (million dollars)	Value of shipments (million dollars)	New capital expenditures <sup>6</sup> (million dollars)	End-of-year inventories <sup>4</sup> (million dollars)	Ratios	
	Companies <sup>2</sup> (no.)	Total (no.)	With 20 employees or more (no.)	Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)						Specialization <sup>7</sup> (per-cent)	Coverage <sup>8</sup> (per-cent)
<b>INDUSTRY 3144, WOMEN'S FOOTWEAR, EXCEPT ATHLETIC—Con.</b>															
1978 ASM.....	(NA)	(NA)	(NA)	56.2	408.7	50.5	89.4	336.2	798.4	643.9	1 428.4	12.4	165.9	(NA)	(NA)
1977 Census.....	243	328	241	57.6	388.6	51.3	91.3	315.6	755.0	607.1	1 361.2	9.7	147.4	97	92
<b>INDUSTRY 3149, FOOTWEAR, EXCEPT RUBBER, N.E.C.</b>															
1992 Census.....	84	94	41	6.0	84.4	5.2	9.1	61.6	159.0	149.4	308.6	5.8	56.7	88	81
1991 ASM.....	(NA)	(NA)	(NA)	5.6	73.4	4.8	9.0	52.2	152.1	133.3	279.7	1.9	50.8	(NA)	(NA)
1990 ASM.....	(NA)	(NA)	(NA)	7.5	99.5	6.4	11.8	72.3	218.2	197.9	414.1	2.6	68.0	(NA)	(NA)
1989 ASM.....	(NA)	(NA)	(NA)	7.5	98.6	6.5	12.6	73.4	206.7	192.3	395.5	4.5	69.1	(NA)	(NA)
1988 ASM.....	(NA)	(NA)	(NA)	9.5	113.4	8.4	14.9	84.5	228.8	252.7	472.3	5.1	89.2	(NA)	(NA)
1987 Census.....	119	129	61	9.2	108.6	8.0	14.5	81.3	217.2	202.2	419.3	6.6	81.9	94	82
1986 ASM.....	(NA)	(NA)	(NA)	9.2	111.4	7.9	13.8	79.3	232.5	254.3	481.7	5.7	93.3	(NA)	(NA)
1985 ASM.....	(NA)	(NA)	(NA)	11.2	125.6	9.7	17.2	92.1	274.0	272.2	541.4	7.9	90.7	(NA)	(NA)
1984 ASM.....	(NA)	(NA)	(NA)	14.0	155.2	12.1	21.1	110.1	363.2	311.2	676.2	8.6	106.4	(NA)	(NA)
1983 ASM.....	(NA)	(NA)	(NA)	17.4	182.9	15.2	26.7	137.1	426.0	333.8	764.5	7.7	122.0	(NA)	(NA)
1982 Census.....	167	193	107	19.1	192.7	16.8	28.7	146.8	450.9	352.8	798.9	14.0	130.2	82	81
1981 ASM.....	(NA)	(NA)	(NA)	23.4	226.2	20.4	37.2	175.9	471.1	395.2	855.7	23.8	137.1	(NA)	(NA)
1980 ASM.....	(NA)	(NA)	(NA)	26.6	234.7	23.3	41.6	184.6	514.7	395.0	901.3	21.3	153.3	(NA)	(NA)
1979 ASM.....	(NA)	(NA)	(NA)	25.5	207.9	22.5	39.9	158.8	378.5	309.9	697.2	13.3	133.7	(NA)	(NA)
1978 ASM.....	(NA)	(NA)	(NA)	25.2	189.4	22.3	38.4	146.6	352.8	308.2	653.6	7.8	122.3	(NA)	(NA)
1977 Census.....	159	192	127	24.8	171.4	21.8	38.2	135.1	333.7	269.3	594.8	10.6	108.7	84	83

<sup>1</sup>In annual survey of manufactures (ASM) years, data are estimates based on a representative sample of establishments canvassed annually and may differ from results of a complete canvass of all establishments. ASM publication shows percentage standard errors. Unless otherwise noted, for data prior to 1977, see 1977 Census of Manufactures, vol. II, table 1 of the industry chapter.

<sup>2</sup>For the Census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

<sup>3</sup>Includes establishments with payroll at any time during the year.

<sup>4</sup>Beginning in 1982, all respondents were requested to report their inventories at cost or market prior to adjustment to LIFO cost. This is a change from prior years when respondents were permitted to value their inventories using any generally accepted accounting method. Consequently, 1982 data for inventories and value added by manufacture are not comparable to prior-year data.

<sup>5</sup>Cost of materials is the sum of five components: the cost of (1) parts used in the manufacture of finished goods (materials, parts, containers, and supplies incorporated into products or otherwise directly consumed in the process); (2) purchased items later resold without further manufacture; (3) fuels; (4) electricity; and (5) commissions or fees to outside parties for contract manufacturing. A separate cost for each of the five components is shown in table 3a. Detailed data on materials consumed by type, are shown in table 7.

<sup>6</sup>Detailed data on new machinery and equipment expenditures are provided in table 3c.

<sup>7</sup>Represents ratio of primary product shipments to total product shipments (primary and secondary, excluding miscellaneous receipts) for establishments classified in the industry.

<sup>8</sup>Represents ratio of primary products shipped by establishments classified in industry to total shipments of such products by all manufacturing establishments, wherever classified.

**Table 1b. Selected Operating Ratios for the Industry: 1992 and Earlier Years**

[Excludes data for auxiliaries. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Year	Payroll per employee (dollars)	Production workers as percent of total employment (percent)	Annual hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials as percent of value of shipments (percent)	Cost of materials and payroll as percent of value of shipments (percent)	Value added per employee (dollars)	Payroll as percent of value added (percent)	Value added per production worker hour (dollars)
<b>INDUSTRY 3111, LEATHER TANNING AND FINISHING</b>									
1992 Census.....	25 319	80	2 098	10.52	70	84	53 970	47	32.11
1991 ASM.....	24 200	85	1 949	10.62	68	81	61 748	39	37.18
1990 ASM.....	23 322	85	2 058	9.58	80	80	64 455	36	36.79
1989 ASM.....	22 886	86	2 019	9.67	69	80	71 187	32	40.92
1988 ASM.....	20 821	83	2 040	8.89	67	79	55 596	37	32.92
1987 Census.....	19 973	83	2 033	8.61	67	81	51 192	39	30.38
1986 ASM.....	18 871	83	2 028	8.22	70	86	35 977	52	21.49
1985 ASM.....	18 486	82	2 017	8.03	69	85	35 817	52	21.55
1984 ASM.....	17 455	84	1 907	7.94	67	83	34 353	51	21.49
1983 ASM.....	17 026	83	1 963	7.63	68	85	33 308	51	20.42
1982 Census.....	15 928	83	1 920	7.24	66	84	29 733	54	18.64
1981 ASM.....	14 912	85	1 948	6.82	66	82	31 750	47	19.11
1980 ASM.....	13 589	85	1 874	6.33	66	81	29 469	46	18.60
1979 ASM.....	12 495	84	1 855	5.92	69	84	26 373	47	16.84
1978 ASM.....	11 774	86	1 848	5.62	66	83	24 535	48	15.50
1977 Census.....	11 078	85	1 949	5.03	64	81	23 265	48	14.01
<b>INDUSTRY 3131, FOOTWEAR CUT STOCK</b>									
1992 Census.....	17 108	84	1 871	7.29	52	72	40 162	43	25.62
1991 ASM.....	16 038	88	1 848	7.56	52	74	35 000	46	21.41
1990 ASM.....	18 000	85	1 977	7.13	53	75	37 769	48	22.57
1989 ASM.....	16 705	84	2 162	6.73	52	73	39 432	42	21.69
1988 ASM.....	14 667	84	1 895	6.56	61	82	28 444	52	17.78
1987 Census.....	13 920	86	1 977	5.86	56	78	28 280	49	16.64
1986 ASM.....	13 093	88	1 789	6.06	61	83	22 605	58	14.29
1985 ASM.....	11 944	87	1 745	5.55	61	84	20 574	58	13.55
1984 ASM.....	12 300	85	1 824	5.66	59	83	21 383	58	13.80
1983 ASM.....	12 016	90	1 860	5.41	59	80	22 540	53	13.40
1982 Census.....	11 882	84	1 825	5.23	58	80	22 750	52	14.88
1981 ASM.....	10 765	86	1 821	5.01	55	77	22 408	48	14.35
1980 ASM.....	9 310	87	1 770	4.57	54	76	19 630	47	12.75
1979 ASM.....	8 573	84	1 716	4.10	60	82	14 802	58	10.22
1978 ASM.....	7 830	88	1 687	3.96	61	85	12 468	63	8.37
1977 Census.....	7 682	87	1 757	3.75	59	83	12 871	60	8.42

**Table 1b. Selected Operating Ratios for the Industry: 1992 and Earlier Years—Con.**

[Excludes data for auxiliaries. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Year	Payroll per employee (dollars)	Production workers as percent of total employment (percent)	Annual hours of production workers (number)	Average hourly earnings of production workers (dollars)	Cost of materials as percent of value of shipments (percent)	Cost of materials and payroll as percent of value of shipments (percent)	Value added per employee (dollars)	Payroll as percent of value added (percent)	Value added per production worker hour (dollars)
<b>INDUSTRY 3142, HOUSE SLIPPERS</b>									
1992 Census	15 579	79	1 833	6.47	38	59	46 395	34	32.05
1991 ASM	15 325	80	1 906	6.79	42	64	39 500	39	25.90
1990 ASM	13 698	79	1 912	6.09	41	62	37 372	37	24.72
1989 ASM	13 468	83	1 769	6.39	48	71	34 234	39	23.32
1988 ASM	13 842	79	2 067	5.56	47	68	35 026	40	21.47
1987 Census	13 595	81	1 867	5.38	43	64	35 919	38	23.73
1986 ASM	12 191	83	1 692	5.48	50	77	22 000	55	15.67
1985 ASM	10 965	86	1 776	5.29	50	78	19 702	56	12.91
1984 ASM	10 277	83	1 722	5.31	48	75	20 554	50	14.37
1983 ASM	10 091	84	1 815	4.67	45	71	20 141	50	13.15
1982 Census	9 507	85	1 750	4.62	47	73	19 960	48	13.37
1981 ASM	8 625	85	1 693	4.53	46	75	16 977	51	11.76
1980 ASM	8 043	84	1 740	4.13	42	65	20 750	39	14.25
1979 ASM	7 523	85	1 680	3.82	42	67	17 091	44	11.94
1978 ASM	7 272	85	1 681	3.69	44	69	16 790	43	11.72
1977 Census	6 728	86	1 671	3.38	46	73	13 432	50	9.30
<b>INDUSTRY 3143, MEN'S FOOTWEAR, EXCEPT ATHLETIC</b>									
1992 Census	16 483	83	1 830	7.72	51	69	44 946	37	29.72
1991 ASM	15 796	86	1 686	7.74	51	70	40 731	39	28.19
1990 ASM	15 611	86	1 789	7.11	50	71	37 144	42	24.06
1989 ASM	15 052	87	1 782	7.22	52	73	35 280	43	22.85
1988 ASM	14 129	87	1 822	6.71	51	71	35 277	40	22.32
1987 Census	13 737	87	1 865	6.36	50	71	33 123	41	20.40
1986 ASM	13 101	88	1 761	6.41	51	73	28 714	46	18.52
1985 ASM	12 490	88	1 747	6.26	50	71	30 126	41	19.54
1984 ASM	11 788	88	1 742	5.99	49	71	27 903	42	18.19
1983 ASM	11 491	88	1 766	5.68	49	71	26 481	43	16.97
1982 Census	10 819	88	1 710	5.49	50	73	23 686	46	15.82
1981 ASM	10 530	89	1 825	5.15	49	70	26 022	40	15.98
1980 ASM	9 456	90	1 771	4.78	49	70	23 227	41	14.62
1979 ASM	8 734	89	1 775	4.33	53	76	18 844	46	11.91
1978 ASM	8 197	90	1 799	4.00	52	77	16 541	50	10.21
1977 Census	7 582	89	1 831	3.69	51	75	15 853	48	9.66
<b>INDUSTRY 3144, WOMEN'S FOOTWEAR, EXCEPT ATHLETIC</b>									
1992 Census	14 633	88	1 795	7.01	44	64	42 460	34	26.87
1991 ASM	13 047	89	1 824	6.10	44	65	33 353	39	20.44
1990 ASM	13 431	88	1 874	5.96	52	73	31 317	43	19.07
1989 ASM	12 567	89	1 976	5.57	48	69	30 433	41	17.36
1988 ASM	12 268	89	1 914	5.61	48	71	27 441	45	16.06
1987 Census	12 030	89	1 920	5.58	43	68	28 414	42	16.61
1986 ASM	11 321	87	1 768	5.80	42	66	26 897	42	17.47
1985 ASM	11 044	88	1 812	5.39	42	66	26 810	41	16.75
1984 ASM	10 595	89	1 765	5.32	43	68	24 253	44	15.50
1983 ASM	10 654	89	1 793	5.29	41	67	24 865	43	15.54
1982 Census	9 981	90	1 776	5.10	43	68	22 872	44	14.36
1981 ASM	9 513	89	1 794	4.63	45	71	20 896	46	13.11
1980 ASM	8 653	88	1 774	4.33	45	71	18 227	47	11.68
1979 ASM	7 906	88	1 775	4.00	46	73	15 857	50	10.11
1978 ASM	7 272	90	1 770	3.76	45	74	14 206	51	8.93
1977 Census	6 747	89	1 780	3.46	45	73	13 108	51	8.27
<b>INDUSTRY 3149, FOOTWEAR, EXCEPT RUBBER, N.E.C.</b>									
1992 Census	14 067	87	1 750	6.77	48	76	26 500	53	17.47
1991 ASM	13 107	85	1 875	5.80	48	74	27 161	48	16.90
1990 ASM	13 267	85	1 844	6.13	48	72	29 093	46	18.49
1989 ASM	13 147	87	1 938	5.83	49	74	27 560	48	16.40
1988 ASM	11 937	88	1 774	5.67	54	78	24 084	50	15.36
1987 Census	11 804	87	1 813	5.61	48	74	23 609	50	14.98
1986 ASM	12 109	86	1 747	5.75	53	76	25 272	48	16.85
1985 ASM	11 214	87	1 773	5.35	50	73	24 464	46	15.93
1984 ASM	11 086	86	1 744	5.22	46	69	25 943	43	17.21
1983 ASM	10 511	87	1 757	5.13	44	68	24 483	43	15.96
1982 Census	10 089	88	1 708	5.11	44	68	23 607	43	15.71
1981 ASM	9 667	87	1 824	4.73	46	73	20 132	48	12.66
1980 ASM	8 823	88	1 785	4.44	44	70	19 350	46	12.37
1979 ASM	8 153	88	1 773	3.98	44	74	14 843	55	9.49
1978 ASM	7 516	88	1 722	3.82	47	76	14 000	54	9.19
1977 Census	6 911	88	1 752	3.54	45	74	13 456	51	8.74

Note: For qualifications of data, see footnotes on table 1a.

**Table 2. Industry Statistics for Selected States: 1992 and 1987**

[Excludes data for auxiliaries. States with 100 employees or more are shown. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes.]

Industry and geographic area	1992											1987	
	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	All employees <sup>2</sup> (1,000)	Value added by manufacture (million dollars)
	Total (no.)	With 20 employees or more (no.)	Number <sup>2</sup> (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)						
<b>INDUSTRY 3111, LEATHER TANNING AND FINISHING</b>													
United States -----	332	126	16.6	420.3	13.3	27.9	293.5	895.9	2 035.9	2 910.4	48.5	14.6	747.4
California -----	E2 24	6	.7	17.0	.6	1.2	13.1	24.9	70.5	95.6	2.4	F	(D)
Georgia -----	E6 6	2	.1	2.3	.1	.2	1.6	7.4	6.5	14.3	.1	(NA)	(NA)
Illinois -----	7	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	E	(D)
Indiana -----	3	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Kentucky -----	5	4	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(D)
Maine -----	6	6	G	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	G	(D)
Maryland -----	2	1	G	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	E	(D)
Massachusetts -----	45	13	1.0	26.2	.8	1.7	18.3	54.1	101.3	153.6	2.0	1.1	45.9
Michigan -----	11	6	2.0	62.6	1.6	3.6	39.7	141.1	176.4	312.2	(D)	G	(D)
Minnesota -----	5	2	E	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	E	(D)
Missouri -----	8	5	.6	11.2	.4	.9	8.5	22.2	35.3	58.8	(D)	E	(D)
Nebraska -----	5	3	E	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(D)
New Jersey -----	11	4	.6	17.7	.5	1.0	13.5	67.9	60.8	127.0	1.7	.7	48.2
New York -----	E1 67	22	1.5	32.0	1.3	2.5	23.8	65.4	32.5	148.9	1.1	1.9	62.5
North Carolina -----	10	4	.7	18.2	.5	1.1	11.6	47.6	124.5	170.4	2.1	E	(D)
Pennsylvania -----	17	10	2.1	49.7	1.5	3.1	32.9	87.4	366.8	473.5	5.7	1.4	72.0
Tennessee -----	7	3	.2	3.9	.2	.4	2.3	18.2	31.8	50.7	.3	.5	20.3
Texas -----	E2 20	6	.5	8.3	.3	.7	5.2	14.9	19.0	34.1	1.0	E	(D)
West Virginia -----	1	1	C	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(D)
Wisconsin -----	16	14	1.8	49.5	1.5	3.3	33.1	115.4	225.1	336.9	11.1	1.8	85.8
<b>INDUSTRY 3131, FOOTWEAR CUT STOCK</b>													
United States -----	100	38	3.7	63.3	3.1	5.8	42.3	148.6	163.7	316.9	3.3	5.0	141.4
California -----	6	2	.1	1.5	.1	.2	1.1	3.2	3.2	6.5	(D)	(NA)	(NA)
Indiana -----	1	1	E	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	F	(D)
Kentucky -----	1	1	C	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Maine -----	3	3	C	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	E	(D)
Massachusetts -----	26	8	.6	13.7	.5	.9	8.4	22.9	32.8	54.8	.5	G	(D)
Missouri -----	19	10	1.3	20.0	1.0	1.9	12.9	37.6	40.2	78.4	.5	1.4	32.1
Pennsylvania -----	5	2	.1	3.4	.1	.2	1.8	2.9	17.0	21.7	.1	.4	10.1
Rhode Island -----	5	3	.1	2.3	.1	.1	1.2	3.8	4.4	8.3	(D)	(NA)	(NA)
Tennessee -----	5	3	E	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
<b>INDUSTRY 3142, HOUSE SLIPPERS</b>													
United States -----	31	21	3.8	59.2	3.0	5.5	35.6	176.3	109.6	285.1	2.1	3.7	132.9
Alabama -----	1	1	C	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Georgia -----	2	2	C	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Illinois -----	1	1	C	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Maine -----	4	3	E	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.3	5.6
New Jersey -----	4	2	E	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	F	(D)
New York -----	4	2	C	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	G	(D)
North Carolina -----	2	1	C	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	E	(D)
Pennsylvania -----	3	3	C	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Texas -----	2	2	C	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	E	(D)
Wisconsin -----	2	2	C	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(D)
<b>INDUSTRY 3143, MEN'S FOOTWEAR, EXCEPT ATHLETIC</b>													
United States -----	140	88	24.2	398.9	20.0	36.6	282.4	1 087.7	1 135.6	2 209.5	32.8	31.6	1 046.7
Arkansas -----	4	3	F	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	G	(D)
California -----	11	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(NA)
Georgia -----	1	1	E	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(D)
Illinois -----	1	1	E	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(D)
Kentucky -----	E9 1	1	C	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	E	(D)
Maine -----	11	11	4.3	68.1	3.7	5.5	47.8	199.8	185.0	382.8	(D)	6.3	221.0
Maryland -----	E9 2	2	C	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Massachusetts -----	8	3	.7	12.4	.5	1.0	8.0	19.1	27.8	47.0	.6	G	(D)
Michigan -----	E9 3	2	E	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	F	(D)
Minnesota -----	4	1	G	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	G	(D)
Mississippi -----	E1 2	2	E	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(D)
Missouri -----	E1 5	4	E	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(D)
New York -----	E1 4	1	E	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(D)
North Carolina -----	6	6	G	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	G	(D)
Ohio -----	1	1	E	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(D)
Oregon -----	3	2	C	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	.2	(NA)
Pennsylvania -----	12	9	1.9	28.8	1.7	3.2	24.3	70.4	73.4	143.6	1.5	3.5	80.4
Tennessee -----	E1 7	7	2.9	45.2	2.3	4.4	30.6	135.2	131.2	274.6	3.8	2.9	97.1
Texas -----	25	10	2.6	44.2	2.2	4.4	31.5	124.3	194.6	312.0	6.9	G	(D)
Virginia -----	4	3	F	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	F	(D)
West Virginia -----	1	1	F	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	F	(D)
Wisconsin -----	11	10	2.0	38.4	1.4	2.7	22.6	88.6	112.3	198.4	2.0	(NA)	(D)

See footnotes at end of table.

**Table 2. Industry Statistics for Selected States: 1992 and 1987—Con.**

[Excludes data for auxiliaries. States with 100 employees or more are shown. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes ]

Industry and geographic area	1992											1987	
	All establishments		All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	All employees <sup>2</sup> (1,000)	Value added by manufacture (million dollars)
	Total (no.)	With 20 employees or more (no.)	Number <sup>2</sup> (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)						
<b>INDUSTRY 3144, WOMEN'S FOOTWEAR, EXCEPT ATHLETIC</b>													
United States	127	77	15.0	219.5	13.2	23.7	166.1	636.9	479.6	1 095.1	10.5	26.6	755.8
Arkansas	10	9	G	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	G	(D)
California	20	9	E	15.5	.8	1.5	12.3	35.0	18.2	53.4	.4	G	(D)
Florida	5	2	C	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(D)
Indiana	3	3	F	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	F	(D)
Kentucky	2	2	F	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	F	(D)
Maine	11	8	1.6	23.3	1.4	2.5	18.4	52.4	60.8	112.2	(D)	(NA)	(D)
Massachusetts	5	4	.6	9.8	.6	1.1	7.9	14.0	21.3	34.6	(D)	F	140.6
Missouri	10	9	G	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	5.0	51.1
New Hampshire	6	4	F	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	2.0	(D)
New York	17	6	.5	10.0	.3	.7	4.7	24.8	10.6	35.6	.4	G	(D)
Ohio	3	3	F	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	G	(D)
Pennsylvania	2	1	F	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(D)
Tennessee	10	7	F	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	F	(D)
Texas	9	4	F	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	F	(D)
Virginia	2	2	F	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	F	(D)
<b>INDUSTRY 3149, FOOTWEAR, EXCEPT RUBBER, N.E.C.</b>													
United States	94	41	6.0	84.4	5.2	9.1	61.6	159.0	149.4	308.6	5.8	9.2	217.2
Arkansas	2	2	F	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	F	(D)
Florida	7	2	F	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	F	(D)
Maine	5	2	F	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	F	(D)
Massachusetts	6	4	.5	9.2	.4	.7	5.5	18.3	13.8	31.2	(D)	G	(D)
Missouri	11	8	1.5	20.5	1.2	2.2	15.7	42.0	33.8	76.0	1.3	G	(D)
New Hampshire	2	1	C	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(D)
New Jersey	2	2	C	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(D)
North Carolina	2	2	C	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(D)
Pennsylvania	12	8	1.0	14.0	.9	1.5	10.2	25.9	22.0	47.7	(D)	1.8	34.5
Tennessee	2	2	F	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	F	(D)
Texas	4	1	F	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	F	(D)
West Virginia	1	1	C	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(D)
Wisconsin	6	2	C	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(NA)	(D)

Note: For qualifications of data, see footnotes on table 1a.

<sup>1</sup>Payroll and sales data for some small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other Government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown for those States where estimated value of shipments data based on administrative-record data account for 10 percent or more of figure shown: E1—10 to 19 percent; E2—20 to 29 percent; E3—30 to 39 percent; E4—40 to 49 percent; E5—50 to 59 percent; E6—60 to 69 percent; E7—70 to 79 percent; E8—80 to 89 percent; E9—90 percent or more.

<sup>2</sup>Statistics for some producing States have been withheld to avoid disclosing data for individual companies. However, for States with 100 employees or more, number of establishments is shown and employment-size range is indicated by one of the following symbols: C—100 to 249 employees; E—250 to 499 employees; F—500 to 999 employees; G—1,000 to 2,499 employees; H—2,500 to 4,999 employees; I—5,000 to 9,999 employees; J—10,000 to 24,999 employees; K—25,000 to 49,999 employees; L—50,000 to 99,999 employees; M—100,000 employees or more.

**Table 3a. Summary Statistics for the Industry: 1992**

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes ]

Item	Leather tanning and finishing (SIC 3111)				Footwear cut stock (SIC 3131)	House slippers (SIC 3142)	Men's footwear, except athletic (SIC 3143)	Women's footwear, except athletic (SIC 3144)	Footwear, except rubber, n.e.c. (SIC 3149)
	Total	Tanneries (SIC 3111-11)	Converters (SIC 3111-22)	Contractors (SIC 3111-33)					
Companies	297	208	22	73	94	28	108	99	84
All establishments	332	233	23	76	100	31	140	127	94
With 1 to 19 employees	206	136	18	52	62	10	52	50	53
With 20 to 99 employees	82	58	4	20	32	10	22	30	20
With 100 employees or more	44	39	1	4	6	11	66	47	21
Employment and labor costs:									
Employees—1,000—	16.6	13.9	.7	2.0	3.7	3.8	24.2	15.0	6.0
Compensation, total—mil dol—	540.5	469.5	19.4	51.6	76.7	71.9	490.9	269.9	105.6
Annual payroll—mil dol—	420.3	363.6	15.1	41.6	63.3	59.2	398.9	219.5	84.4
Fringe benefits—mil dol—	120.3	106.0	4.3	10.0	13.5	12.7	92.0	50.3	21.2
Social Security and other legally required payments—mil dol—	56.9	49.7	2.1	5.2	6.7	7.4	43.8	27.7	11.2
Employer voluntary payments—mil dol—	63.4	56.3	2.3	4.8	6.8	5.3	48.2	22.6	10.0

See footnotes at end of table.



**Table 3a. Summary Statistics for the Industry: 1992—Con.**

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Leather tanning and finishing (SIC 3111)				Footwear cut stock (SIC 3131)	House slippers (SIC 3142)	Men's footwear, except athletic (SIC 3143)	Women's footwear, except athletic (SIC 3144)	Footwear, except rubber, n.e.c. (SIC 3149)	
	Total	Tanneries (SIC 3111- 11)	Converters (SIC 3111- 22)	Contractors (SIC 3111- 33)						
<b>Production workers:</b>										
Average for year .....	1,000	13.3	11.4	.1	1.8	3.1	3.0	20.0	13.2	5.2
March .....	1,000	13.6	11.6	.1	1.8	3.0	2.8	19.7	13.3	5.4
May .....	1,000	13.7	11.8	.1	1.8	3.1	2.9	20.0	13.6	5.3
August .....	1,000	13.1	11.2	.1	1.8	3.2	3.3	20.1	13.4	5.0
November .....	1,000	12.9	11.1	.1	1.7	3.1	2.9	20.1	12.6	5.0
Hours .....	millions	27.9	24.1	.2	3.5	5.8	5.5	36.6	23.7	9.1
Wages .....	mil dol.	293.5	259.0	1.6	32.9	42.3	35.6	282.4	166.1	61.6
<b>Cost of materials<sup>1</sup></b> .....	mil dol.	2 035.9	1 803.1	190.4	42.4	163.7	109.6	1 135.6	479.6	149.4
Materials, parts, containers, etc., consumed <sup>2</sup> .....	mil dol.	1 817.5	1 674.6	108.5	34.4	154.3	93.3	927.6	452.2	132.9
Resales .....	mil dol.	36.5	36.5	-	(Z)	3.1	11.9	190.1	13.1	11.5
Fuels .....	mil dol.	28.2	21.4	3.1	3.7	.6	.5	1.9	.8	.7
Purchased electricity .....	mil dol.	30.7	23.6	3.2	4.0	2.1	1.7	10.2	6.1	2.9
Contract work .....	mil dol.	122.9	47.0	75.6	.3	3.6	2.2	5.7	7.4	1.3
<b>Quantity of electric energy used for heat and power:</b>										
Purchased .....	mil kWh	451.6	356.5	36.4	58.7	33.2	22.3	144.0	88.4	41.6
Generated less sold .....	mil kWh	(D)	(D)	-	-	-	(D)	-	-	-
<b>Total value of shipments</b> .....	mil dol.	2 910.4	2 544.8	244.8	120.8	316.9	285.1	2 209.5	1 095.1	308.6
<b>Value added</b> .....	mil dol.	895.9	763.7	53.8	78.4	148.6	176.3	1 087.7	636.9	159.0
<b>Inventories by stage of fabrication:</b>										
Beginning of 1992 .....	mil dol.	443.3	396.9	31.0	15.4	41.0	48.1	366.2	93.5	58.4
Finished goods .....	mil dol.	138.9	126.5	10.8	1.6	18.4	24.5	203.8	33.9	26.7
Work in process .....	mil dol.	195.8	177.3	12.2	6.4	8.0	3.7	38.8	29.3	10.7
Materials and supplies .....	mil dol.	108.6	93.2	8.0	7.5	14.6	19.9	123.6	30.3	21.0
End of 1992 .....	mil dol.	465.4	419.6	32.7	13.0	39.9	48.5	390.4	114.8	56.7
Finished goods .....	mil dol.	147.6	136.8	9.2	1.5	14.9	24.9	209.7	58.6	27.9
Work in process .....	mil dol.	208.5	188.9	13.1	6.4	6.9	4.1	46.7	25.0	9.2
Materials and supplies .....	mil dol.	109.3	93.9	10.4	5.1	18.1	19.4	134.1	30.2	19.6

Note: For qualifications of data, see footnotes on table 1a.

<sup>1</sup>Data on purchased services for the repair of buildings and machinery and for communication services are not included in cost of materials, etc., but are shown in table 3c.  
<sup>2</sup>Data on materials consumed by type are shown in table 7. Data on amount purchased or transferred from foreign sources are shown in table 3c.

**Table 3b. Gross Book Value of Depreciable Assets, Capital Expenditures, Retirements, Depreciation, and Rental Payments: 1992**

[Million dollars. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Item	Leather tanning and finishing (SIC 3111)	Footwear cut stock (SIC 3131)	House slippers (SIC 3142)	Men's footwear, except athletic (SIC 3143)	Women's footwear, except athletic (SIC 3144)	Footwear, except rubber, n.e.c. (SIC 3149)
<b>Gross book value of depreciable assets:</b>						
<b>Total:</b>						
Beginning of year .....						
New capital expenditures <sup>1</sup> .....	479.0	50.4	35.5	235.3	116.6	52.9
Used capital expenditures .....	48.5	3.3	2.1	32.8	10.5	5.8
Retirements .....	6.7	(D)	.7	1.9	3.0	.8
End of year .....	15.1	(D)	1.0	9.7	15.7	3.9
<b>Buildings and other structures:</b>	519.0	49.3	37.3	260.4	114.3	55.7
Beginning of year .....						
New capital expenditures .....	131.9	14.2	13.1	85.1	36.9	17.0
Used capital expenditures .....	8.6	.5	(D)	13.2	2.2	1.2
Retirements .....	(D)	(D)	.1	.2	.1	(D)
End of year .....	(D)	(D)	(D)	1.9	4.0	(D)
<b>Machinery and equipment:</b>	139.4	13.5	13.0	96.5	35.3	18.0
Beginning of year .....						
New capital expenditures <sup>1</sup> .....	347.1	36.2	22.4	150.2	79.6	35.9
Used capital expenditures .....	39.9	2.8	(D)	19.6	8.3	4.6
Retirements .....	(D)	(D)	.6	1.8	2.9	(D)
End of year .....	(D)	(D)	(D)	7.8	11.8	(D)
<b>Depreciation charges during 1992:</b>	379.7	35.8	24.3	163.9	79.1	37.7
<b>Total:</b>						
Buildings and other structures .....	35.0	3.7	2.2	19.1	8.6	4.7
Machinery and equipment .....	7.0	.7	.5	5.4	1.4	1.2
<b>Rental payments:</b>	27.9	3.1	1.8	13.7	7.2	3.6
<b>Total:</b>						
Buildings and other structures .....	10.5	1.7	1.6	14.1	8.9	2.9
Machinery and equipment .....	5.8	.9	1.1	6.2	2.9	1.4
<b>Total:</b>	4.7	.8	.5	7.8	6.0	1.5

<sup>1</sup>Data on new machinery and equipment expenditures by type are provided in table 3c.

**Table 4. Industry Statistics by Employment Size of Establishment: 1992**

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Industry and employment size class	E1	All establishments (no.)	All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	End-of-year inventories (million dollars)
			Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)					
<b>INDUSTRY 3111, LEATHER TANNING AND FINISHING</b>												
Total .....	-	332	16.6	420.3	13.3	27.9	293.5	890.7	2 035.9	2 905.2	48.5	465.4
Establishments with an average of—												
1 to 4 employees .....	E7	108	.2	4.1	.1	.3	2.6	8.6	19.3	27.5	.4	4.5
5 to 9 employees .....	E4	53	.4	6.5	.3	.5	4.3	13.3	31.1	43.9	.5	8.3
10 to 19 employees .....	E2	45	.7	12.2	.5	1.0	8.1	28.4	47.5	75.8	.7	9.6
20 to 49 employees .....	-	38	1.2	25.6	.9	1.8	16.6	46.1	108.4	156.2	1.9	17.9
50 to 99 employees .....	-	44	3.0	65.4	2.3	4.9	43.8	166.1	384.9	547.8	6.7	64.0
100 to 249 employees .....	E1	29	4.3	103.0	3.6	7.7	79.0	233.2	399.5	625.0	14.3	109.5
250 to 499 employees .....	-	10	3.3	101.2	2.5	5.7	60.8	219.9	441.0	656.2	9.4	153.8
500 to 999 employees .....	-	4	3.6	102.2	3.0	6.1	78.3	175.1	604.1	772.8	14.6	97.8
1,000 to 2,499 employees .....	-	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Covered by administrative records <sup>2</sup> .....	E9	133	.5	6.8	.4	.7	4.8	10.3	23.8	34.1	.5	4.6
<b>INDUSTRY 3131, FOOTWEAR CUT STOCK</b>												
Total .....	-	100	3.7	63.3	3.1	5.8	42.3	148.6	163.7	316.9	3.3	39.9
Establishments with an average of—												
1 to 4 employees .....	E8	26	(Z)	.6	(Z)	.1	.4	1.0	1.0	2.0	(Z)	.4
5 to 9 employees .....	-	14	.1	2.3	.1	.1	.9	3.3	8.8	12.5	(Z)	3.2
10 to 19 employees .....	-	22	.3	5.1	.2	.4	3.0	7.4	12.0	19.3	.2	3.6
20 to 49 employees .....	-	20	.7	14.8	.6	1.1	9.3	22.7	31.2	55.4	.4	9.0
50 to 99 employees .....	-	12	.9	16.1	.7	1.4	10.7	43.8	62.0	106.2	1.3	10.4
100 to 249 employees .....	-	3	.5	7.7	.4	.6	4.2	35.1	18.9	55.4	1.4	10.9
250 to 499 employees .....	-	2	1.3	16.7	1.1	2.1	13.9	35.4	29.9	66.0	(D)	2.4
500 to 999 employees .....	-	1	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Covered by administrative records <sup>2</sup> .....	E9	29	.1	1.0	.1	.1	.7	1.6	1.5	3.2	(Z)	.7
<b>INDUSTRY 3142, HOUSE SLIPPERS</b>												
Total .....	-	31	3.8	59.2	3.0	5.5	35.6	176.3	109.6	285.1	2.1	48.5
Establishments with an average of—												
1 to 4 employees .....	E9	3	(Z)	(Z)	(Z)	(Z)	(Z)	.1	.1	.2	(Z)	(Z)
5 to 9 employees .....	E1	4	.1	1.1	.1	.1	.5	3.0	5.3	8.0	(D)	.8
10 to 19 employees .....	E2	3	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
20 to 49 employees .....	E1	5	.2	2.3	.1	.2	1.2	4.4	1.8	6.4	(D)	1.4
50 to 99 employees .....	-	5	.3	5.0	.2	.4	3.3	19.9	9.7	29.4	.2	3.5
100 to 249 employees .....	-	7	1.2	18.6	.7	1.5	8.9	92.0	43.0	134.5	1.5	15.8
250 to 499 employees .....	-	2	2.1	32.2	1.8	3.4	21.7	57.0	49.7	106.7	.4	26.9
500 to 999 employees .....	-	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Covered by administrative records <sup>2</sup> .....	E9	6	(Z)	.2	(Z)	(Z)	.2	.6	.4	1.0	(Z)	.2
<b>INDUSTRY 3143, MEN'S FOOTWEAR, EXCEPT ATHLETIC</b>												
Total .....	-	140	24.2	398.9	20.0	36.6	282.4	1 087.7	1 135.6	2 209.5	32.8	390.4
Establishments with an average of—												
1 to 4 employees .....	E9	24	(Z)	.6	(Z)	.1	.5	1.2	1.2	2.4	(Z)	.4
5 to 9 employees .....	E9	15	.1	1.1	.1	.1	.9	2.0	2.2	4.2	.1	.7
10 to 19 employees .....	E4	13	.2	3.5	.2	.3	2.7	6.6	10.2	17.0	.2	2.0
20 to 49 employees .....	E3	14	.5	6.8	.4	.7	5.1	12.1	10.6	22.7	.2	4.7
50 to 99 employees .....	E1	8	.6	10.0	.5	.9	7.1	22.9	19.1	41.9	.7	5.8
100 to 249 employees .....	E1	30	4.8	76.8	4.2	7.9	55.9	173.0	359.3	625.0	4.7	56.7
250 to 499 employees .....	-	23	7.7	123.0	6.6	12.3	90.9	357.6	414.8	768.8	15.9	114.5
500 to 999 employees .....	-	11	10.3	177.0	8.0	14.4	119.3	493.8	504.5	993.3	11.1	205.7
1,000 to 2,499 employees .....	-	2	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)	(D)
Covered by administrative records <sup>2</sup> .....	E9	39	.2	2.4	.1	.2	2.0	4.3	4.7	9.0	.1	1.4
<b>INDUSTRY 3144, WOMEN'S FOOTWEAR, EXCEPT ATHLETIC</b>												
Total .....	-	127	15.0	219.5	13.2	23.7	166.1	636.9	479.6	1 095.1	10.5	114.8
Establishments with an average of—												
1 to 4 employees .....	E6	27	(Z)	.8	(Z)	.1	.7	4.2	2.0	6.1	(Z)	.5
5 to 9 employees .....	E8	11	.1	1.0	.1	.1	.8	1.9	2.0	3.9	(Z)	.4
10 to 19 employees .....	E2	12	.2	3.0	.1	.3	2.5	9.4	8.0	17.2	.1	2.1
20 to 49 employees .....	E3	19	.7	8.3	.6	1.0	6.4	20.3	12.9	34.5	.3	3.8
50 to 99 employees .....	-	11	.8	15.0	.7	1.4	11.4	37.8	45.0	83.0	.6	10.5
100 to 249 employees .....	-	23	3.8	59.8	3.2	6.1	40.4	128.0	103.3	229.9	2.6	31.7
250 to 499 employees .....	-	21	7.6	98.5	6.7	11.7	78.9	332.4	267.8	580.0	6.8	57.8
500 to 999 employees .....	-	3	1.9	33.2	1.7	3.0	25.1	102.8	38.5	140.5	(D)	8.1
Covered by administrative records <sup>2</sup> .....	E9	34	.1	2.0	.1	.2	1.6	4.7	4.4	9.0	.1	1.0

See footnotes at end of table.

Table 4. Industry Statistics by Employment Size of Establishment: 1992--Con.

[For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Industry and employment size class	E <sup>1</sup>	All establishments (no.)	All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)	End-of-year inventories (million dollars)
			Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)					
<b>INDUSTRY 3149, FOOTWEAR, EXCEPT RUBBER, N.E.C.</b>												
Total -----		94	6.0	84.4	5.2	9.1	61.6	159.0	149.4	308.6	5.8	56.7
Establishments with an average of--												
1 to 4 employees -----	E9	26	.1	.7	.1	.1	.6	1.5	1.3	2.8	(Z)	.4
5 to 9 employees -----	E3	16	.1	1.7	.1	.1	1.3	2.9	6.7	9.7	.2	1.4
10 to 19 employees -----	E3	11	.2	2.7	.1	.3	2.3	3.3	2.8	6.2	.1	1.1
20 to 49 employees -----	-	11	.4	5.1	.3	.5	3.5	7.7	7.1	15.4	.3	4.8
50 to 99 employees -----	-	9	.7	10.8	.5	.9	6.7	18.7	13.0	34.2	.2	6.9
100 to 249 employees -----	-	11	1.8	24.4	1.5	2.5	17.1	46.1	37.3	83.5	1.4	14.6
250 to 499 employees -----	-	10	3.0	39.0	2.6	4.7	30.1	78.7	61.2	156.8	3.6	27.7
Covered by administrative records <sup>2</sup> -----	E9	36	.1	1.6	.1	.2	1.3	3.2	2.9	6.2	.1	1.0

Note: For qualifications of data, see footnotes on table 1a. Data shown as (D) are included in underscored figures above.

<sup>1</sup>Payroll and sales data for some small single-establishment manufacturing companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other Government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate the items shown for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown for those employment-size classes where estimated data based on administrative-record data account for 10 percent or more of figures shown: E1--10 to 19 percent; E2--20 to 29 percent; E3--30 to 39 percent; E4--40 to 49 percent; E5--50 to 59 percent; E6--60 to 69 percent; E7--70 to 79 percent; E8--80 to 89 percent; E9--90 percent or more.

<sup>2</sup>Report forms were not mailed to small single-establishment companies with up to 20 employees (cutoff varied by industry). Payroll and sales data for 1992 were obtained from administrative records supplied by other agencies of the Federal Government. Those data were then used in conjunction with industry averages to estimate the items shown. Data are also included in respective employment-size classes shown.

Table 5a. Industry Statistics by Industry and Primary Product Class Specialization: 1992

[Table presents selected statistics for establishments according to their degree of specialization in products primary to their industry. Measures of plant specialization shown are (1) industry specialization: ratio of primary product shipments to total product shipments (primary plus secondary, excluding miscellaneous receipts) for the establishment; and (2) product class specialization: ratio of largest primary product class shipments to total product shipments (primary plus secondary, excluding miscellaneous receipts) for the establishment. See appendix for method of computing ratios. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes]

Industry or product class code	Industry or primary product class	All establishments (number)	All employees		Production workers			Value added by manufacture (million dollars)	Cost of materials (million dollars)	Value of shipments (million dollars)	New capital expenditures (million dollars)
			Number (1,000)	Payroll (million dollars)	Number (1,000)	Hours (millions)	Wages (million dollars)				
3111	<b>Leather tanning and finishing:</b> All establishments in industry -----	332	16.6	420.3	13.3	27.9	293.5	895.9	2 035.9	2 910.4	48.5
	Establishments with this product class primary:										
31116	Finished and unfinished leather -----	124	12.9	328.0	10.1	21.2	233.1	750.2	1 888.4	2 617.5	42.0
31119	Contract and commission receipts for tanning or finishing leather owned by others -----	52	2.6	71.5	2.2	4.8	45.7	93.5	66.3	159.8	4.6
3131	<b>Footwear cut stock:</b> All establishments in industry -----	100	3.7	63.3	3.1	5.8	42.3	148.6	163.7	316.9	3.3
3142	<b>House slippers:</b> All establishments in industry -----	31	3.8	59.2	3.0	5.5	35.6	176.3	109.6	285.1	2.1
3143	<b>Men's footwear, except athletic:</b> All establishments in industry -----	140	24.2	398.9	20.0	36.6	282.4	1 087.7	1 135.6	2 209.5	32.8
3144	<b>Women's footwear, except athletic:</b> All establishments in industry -----	127	15.0	219.5	13.2	23.7	166.1	636.9	479.6	1 095.1	10.5
3149	<b>Footwear, except rubber, n.e.c.:</b> All establishments in industry -----	94	6.0	84.4	5.2	9.1	61.6	159.0	149.4	308.6	5.8

Note: For qualifications of data, see footnotes on table 1a.

**Table 5b. Industry-Product Analysis—Value of Industry and Primary Product Shipments; Specialization and Coverage Ratios: 1992 and Earlier Census Years**

(Million dollars. An establishment is assigned to an industry based on shipment values of products representing largest amount considered primary to an industry. Frequently, establishment shipments comprise mixtures of products assigned to an industry (primary), those considered primary to other industries (secondary), and receipts for activities such as merchandising or contract work (total miscellaneous receipts). Subtotals for total value of shipments show this product pattern for an industry. Primary products specialization ratio is the primary products value of shipments divided by the sum of primary products value of shipments plus secondary products value of shipments. The extent of which an industry's primary products are shipped by establishments classified both in and out of an industry is the coverage ratio and is calculated by dividing the primary products value of shipments by the value of primary products shipments made in all industries. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes.]

Industry	1992	1987	1982
<b>INDUSTRY 3111, LEATHER TANNING AND FINISHING</b>			
Total value of shipments .....	2 910.4	2 218.6	1 753.0
Primary products value of shipments .....	2 797.5	2 118.5	1 695.4
Secondary products value of shipments .....	51.5	45.2	18.4
Total miscellaneous receipts .....	61.5	54.9	41.2
Value of resales .....	41.7	33.3	29.9
Contract receipts .....	5.2	14.5	2.0
Other miscellaneous receipts .....	14.6	7.1	9.2
Primary products specialization ratio .....	98	98	99
Value of primary products shipments made in all industries .....	2 929.7	2 212.2	1 706.2
Value of primary products shipments made in this industry .....	2 797.5	2 118.5	1 695.4
Value of primary products shipments made in other industries .....	132.2	93.7	10.8
Coverage ratio .....	95	96	99
<b>INDUSTRY 3131, FOOTWEAR CUT STOCK</b>			
Total value of shipments .....	316.9	324.1	367.8
Primary products value of shipments .....	290.3	310.3	326.1
Secondary products value of shipments .....	20.5	9.0	22.3
Total miscellaneous receipts .....	6.1	4.8	19.4
Value of resales .....	4.0	2.2	12.9
Contract receipts .....	1.1	(D)	.5
Other miscellaneous receipts .....	1.1	(D)	6.2
Primary products specialization ratio .....	93	97	94
Value of primary products shipments made in all industries .....	315.1	335.3	346.8
Value of primary products shipments made in this industry .....	290.3	310.3	326.1
Value of primary products shipments made in other industries .....	24.7	25.0	20.7
Coverage ratio .....	92	93	94
<b>INDUSTRY 3142, HOUSE SLIPPERS</b>			
Total value of shipments .....	285.1	232.5	275.8
Primary products value of shipments .....	253.9	198.2	258.7
Secondary products value of shipments .....	(D)	23.5	9.6
Total miscellaneous receipts .....	(D)	10.8	7.5
Value of resales .....	(D)	10.7	6.1
Contract receipts .....	.3	(D)	(D)
Other miscellaneous receipts .....	(D)	(D)	(D)
Primary products specialization ratio .....	(D)	89	96
Value of primary products shipments made in all industries .....	258.8	205.3	265.3
Value of primary products shipments made in this industry .....	253.9	198.2	258.7
Value of primary products shipments made in other industries .....	5.0	7.1	6.6
Coverage ratio .....	98	97	98
<b>INDUSTRY 3143, MEN'S FOOTWEAR, EXCEPT ATHLETIC</b>			
Total value of shipments .....	2 209.5	2 104.8	2 261.4
Primary products value of shipments .....	1 735.5	1 762.7	1 865.4
Secondary products value of shipments .....	225.6	182.3	222.8
Total miscellaneous receipts .....	248.5	159.9	173.2
Value of resales .....	229.6	156.2	171.7
Contract receipts .....	(D)	2.6	1.5
Other miscellaneous receipts .....	(D)	1.1	—
Primary products specialization ratio .....	88	91	89
Value of primary products shipments made in all industries .....	1 806.6	1 833.5	1 971.2
Value of primary products shipments made in this industry .....	1 735.5	1 762.7	1 865.4
Value of primary products shipments made in other industries .....	71.1	70.8	105.8
Coverage ratio .....	96	96	95
<b>INDUSTRY 3144, WOMEN'S FOOTWEAR, EXCEPT ATHLETIC</b>			
Total value of shipments .....	1 095.1	1 316.0	1 933.2
Primary products value of shipments .....	1 009.8	1 213.0	1 787.8
Secondary products value of shipments .....	65.3	86.8	108.5
Total miscellaneous receipts .....	20.0	16.2	36.9
Value of resales .....	18.0	11.7	21.9
Contract receipts .....	(D)	(D)	.3
Other miscellaneous receipts .....	(D)	(D)	14.7
Primary products specialization ratio .....	94	93	94
Value of primary products shipments made in all industries .....	1 228.6	1 374.4	1 994.1
Value of primary products shipments made in this industry .....	1 009.8	1 213.0	1 787.8
Value of primary products shipments made in other industries .....	218.8	161.4	206.3
Coverage ratio .....	82	88	90

**Table 5b. Industry-Product Analysis—Value of Industry and Primary Product Shipments; Specialization and Coverage Ratios: 1992 and Earlier Census Years—Con.**

[Million dollars. An establishment is assigned to an industry based on shipment values of products representing largest amount considered primary to an industry. Frequently, establishment shipments comprise mixtures of products assigned to an industry (primary), those considered primary to other industries (secondary), and receipts for activities such as merchandising or contract work (total miscellaneous receipts). Subtotals for total value of shipments show this product pattern for an industry. Primary products specialization ratio is the primary products value of shipments divided by the sum of primary products value of shipments plus secondary products value of shipments. The extent of which an industry's primary products are shipped by establishments classified both in and out of an industry is the coverage ratio and is calculated by dividing the primary products value of shipments by the value of primary products shipments made in all industries. For meaning of abbreviations and symbols, see introductory text. For explanation of terms, see appendixes.]

Industry	1992	1987	1982
<b>INDUSTRY 3149, FOOTWEAR, EXCEPT RUBBER, N.E.C.</b>			
Total value of shipments .....	308.6	419.3	798.9
Primary products value of shipments .....	254.9	368.6	587.5
Secondary products value of shipments .....	32.6	23.6	130.7
Total miscellaneous receipts .....	21.2	27.0	80.7
Value of resales .....	20.2	25.2	77.8
Contract receipts .....	(D)	(D)	(D)
Other miscellaneous receipts .....	(D)	(D)	(D)
Primary products specialization ratio .....	89	94	82
Value of primary products shipments made in all industries .....	314.2	449.1	721.7
Value of primary products shipments made in this industry .....	254.9	368.7	587.5
Value of primary products shipments made in other industries .....	59.3	80.5	134.2
Coverage ratio .....	81	82	81

Note: For qualifications of data, see footnotes on table 1a.

**Table 6a. Product and Product Classes—Quantity and Value of Shipments by All Producers: 1992 and 1987**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. For further explanation, see Value of Shipments in appendixes. For meaning of abbreviations and symbols, see introductory text.]

Product code	Product	1992			1987		
		Number of companies with shipments of \$100,000 or more	Product shipments <sup>1</sup>		Number of companies with shipments of \$100,000 or more	Product shipments <sup>1</sup>	
			Quantity <sup>2</sup>	Value (million dollars)		Quantity <sup>2</sup>	Value (million dollars)
<b>3111--</b>	<b>LEATHER TANNING AND FINISHING</b>						
	<b>Total .....</b>	(NA)	(X)	2 929.7	(NA)	(X)	2 212.2
31116	Finished and unfinished leather .....	(NA)	(X)	2 610.2	(NA)	(X)	1 931.0
	Cattle hide and kip side leathers, finished:						
	Full grain and grain split (except offal and wetting leather):						
31116 11	Sole leather .....	9	90.2	224.2	12	47.7	113.1
31116 15	Bag, case, and strap leather (sides) .....	17	*36.5	68.3	11	29.5	63.3
31116 19	Upholstery leather, top grains and machine buffs .....	11	233.3	683.0	17	238.9	453.3
31116 24	Upper leather, including patent (sides) .....	31	282.4	648.3	29	333.0	632.7
31116 27	Garment leather (sides) .....	17	30.4	52.0	14	28.0	42.3
31116 29	Other grains, including flat and handbag leather, lining leather (sides), and belting and mechanical leather .....	24	*165.3	207.1	26	213.2	175.4
31116 33	Offal (heads, shoulders, bellies, etc.) and wetting leather .....	14	44.9	37.9	13	29.4	22.5
31116 35	Finished splits, including shoulder splits, deep buffs, buffing, and fleshers .....	13	74.0	61.7	17	71.2	49.7
31116 37	Cattle hide and kip side leathers, unfinished:						
	Wet blues .....	18	472.4	333.0	15	188.8	120.0
31116 38	Other .....	15	108.4	178.9	16	41.5	137.4
31116 43	All calf and whole kip leathers, finished and unfinished .....	5	19.7	35.7	(NA)	42.5	67.9
31116 51	Garment .....	6	13.8	18.5			
31116 57	Other (including glove, shoe, fleshers, skivers, and shearlings) .....	9	21.3	34.3	11	18.9	32.9
31116 62	Other leathers, finished and unfinished:						
	Goat and kid leathers .....	1	(D)	(D)	2	(D)	(?)
31116 63	Pig skin leathers .....	2	(D)	(D)	2	(D)	(?)
31116 65	Other animal leathers (including horse, colt, mule, ass, and pony leathers) .....	9	(X)	16.5	11	(X)	15.9
31116 00	Finished and unfinished leather, n.s.k. ....	(NA)	(X)	7.1	(NA)	(X)	34.7
31119	Contract and commission receipts for tanning or finishing leather owned by others .....	(NA)	(X)	186.3	(NA)	(X)	159.5
31119 00	Contract and commission receipts for tanning or finishing leather owned by others .....	62	(X)	186.3	48	(X)	159.5
31110	Leather tanning and finishing, n.s.k. ....	(NA)	(X)	133.1	(NA)	(X)	121.7
31110 00	Leather tanning and finishing, n.s.k.* .....	(NA)	(X)	22.0	(NA)	(X)	7.3
31110 02	Leather tanning and finishing, n.s.k.* .....	(NA)	(X)	111.1	(NA)	(X)	114.4

See footnotes at end of table.

Table 6b. **Product Classes—Value of Shipments by All Producers for Specified States: 1992 and 1987**

[Million dollars. Product classes shown are those where the data are geographically dispersed, provided dispersion is not approximated by data in table 2. Also, product classes are not shown if they are miscellaneous or "not specified by kind" classes. Statistics for some States are withheld because they are either less than \$2 million in product class shipments or they disclose data for individual companies in 1992. For meaning of abbreviations and symbols, see introductory text]

Product class and geographic area	1992 value of product shipments	1987 value of product shipments	Product class and geographic area	1992 value of product shipments	1987 value of product shipments
<b>31116, FINISHED AND UNFINISHED LEATHER</b>			<b>31116, FINISHED AND UNFINISHED LEATHER</b>		
<b>United States</b> .....	<b>2 610.2</b>	<b>1 931.0</b>	— Con.		
California .....	72.4	64.2	Tennessee .....	49.6	69.0
Georgia .....	8.4	(NA)	Texas .....	17.6	97.0
Illinois .....	93.7	50.4	Wisconsin .....	281.8	265.6
Massachusetts .....	106.9	101.2			
Michigan .....	265.2	(NA)	<b>31119, CONTRACT AND COMMISSION RECEIPTS FOR TANNING OR FINISHING LEATHER OWNED BY OTHERS</b>		
Missouri .....	35.8	(NA)	<b>United States</b> .....	<b>186.3</b>	<b>159.5</b>
Nebaska .....	266.9	(NA)	Massachusetts .....	13.3	14.4
New Jersey .....	120.2	116.5	New York .....	47.0	54.5
New York .....	90.4	85.6	Texas .....	13.1	(NA)
North Carolina .....	142.8	63.9	Wisconsin .....	21.9	(NA)
Ohio .....	17.2	(NA)			
Pennsylvania .....	422.9	190.8			

Note: For qualifications of data, see footnotes on table 6a.

Table 6c. **Historical Statistics for Product Classes—Value Shipped by All Producers: 1992 and Earlier Years**

[Million dollars. For meaning of abbreviations and symbols, see introductory text]

Product code	Product class	1992	1991 <sup>1</sup>	1990 <sup>1</sup>	1989 <sup>1</sup>	1988 <sup>1</sup>	1987	1982	1977
3111-	<b>Leather tanning and finishing</b> .....	<b>2 929.7</b>	<b>2 225.7</b>	<b>2 458.3</b>	<b>2 525.4</b>	<b>2 424.5</b>	<b>2 212.2</b>	<b>1 706.2</b>	<b>1 380.1</b>
31116	Finished and unfinished leather .....	2 610.2	2 035.1	2 243.2	2 207.4	2 141.0	1 931.0	1 400.2	1 202.7
31119	Contract and commission receipts for tanning or finishing leather owned by others .....	186.3	47.4	65.8	163.6	161.7	159.5	231.9	109.4
31110	Leather tanning and finishing, n.s.k. ....	133.1	143.3	149.3	154.4	121.7	121.7	74.2	68.0
3131-	<b>Boot and shoe cut stock and findings</b> .....	<b>315.1</b>	<b>379.1</b>	<b>412.5</b>	<b>352.4</b>	<b>326.3</b>	<b>335.3</b>	<b>346.8</b>	<b>255.1</b>
31310	Boot and shoe cut stock and findings .....	315.1	379.1	412.5	352.4	326.3	335.3	346.8	255.1
3142-	<b>House slippers</b> .....	<b>258.8</b>	<b>256.4</b>	<b>257.3</b>	<b>232.6</b>	<b>215.1</b>	<b>205.3</b>	<b>265.3</b>	<b>190.2</b>
31420	House slippers .....	258.8	256.4	257.3	232.6	215.1	205.3	265.3	190.2
3143-	<b>Men's footwear, except athletic</b> .....	<b>1 806.6</b>	<b>1 763.4</b>	<b>1 839.1</b>	<b>1 940.4</b>	<b>1 914.3</b>	<b>1 833.5</b>	<b>1 971.2</b>	<b>1 592.1</b>
31430	Men's footwear, except athletic .....	1 806.6	1 763.4	1 839.1	1 940.4	1 914.3	1 833.5	1 971.2	1 592.1
3144-	<b>Women's footwear, except athletic</b> .....	<b>1 228.6</b>	<b>1 185.9</b>	<b>1 310.6</b>	<b>1 338.8</b>	<b>1 459.3</b>	<b>1 374.4</b>	<b>1 994.1</b>	<b>1 386.8</b>
31440	Women's footwear, except athletic .....	1 228.6	1 185.9	1 310.6	1 338.8	1 459.3	1 374.4	1 994.1	1 386.8
3149-	<b>Footwear, except rubber, n.e.c.</b> .....	<b>314.2</b>	<b>289.1</b>	<b>373.1</b>	<b>395.7</b>	<b>443.7</b>	<b>449.1</b>	<b>721.7</b>	<b>568.0</b>
31490	Footwear, except rubber, n.e.c. ....	314.2	289.1	373.1	395.7	443.7	449.1	721.7	568.0

<sup>1</sup>Figures are estimates derived from a representative sample of manufacturing establishments. Standard errors associated with estimates are published in annual survey of manufactures publications for this period.

Table 7. **Materials Consumed by Kind: 1992 and 1987**

[Includes cost of materials consumed or put into production by establishments classified only in this industry. For further explanation, see Cost of Materials in appendixes. For meaning of abbreviations and symbols, see introductory text]

Material code	Material	1992 delivered cost (million dollars)	1987 delivered cost (million dollars)
	<b>INDUSTRY 3111, LEATHER TANNING AND FINISHING</b>		
	<b>Materials, ingredients, containers, and supplies</b> .....	<b>1 817.5</b>	<b>1 386.5</b>
201191	Hides, skins, and pelts .....	1 217.5	977.1
280021	Tanning materials, dressings, dyes, and finishing agents .....	281.5	237.9
	Finished leather:	129.2	11.7
311102	Upper leather .....	33.1	( <sup>2</sup> )
311112	Soling leather .....	16.9	11.6
311108	All other finished leather .....	67.5	58.1
970099	All other materials and components, parts, containers, and supplies .....	71.7	89.8
971000	Materials, ingredients, containers, and supplies, n.s.k. <sup>3</sup> .....		
	<b>INDUSTRY 3131, FOOTWEAR CUT STOCK</b>		
	<b>Materials, ingredients, containers, and supplies</b> .....	<b>154.3</b>	<b>176.3</b>
201191	Hides, skins, and pelts .....	18.5	( <sup>4</sup> )
280021	Tanning materials, dressings, dyes, and finishing agents .....	(D)	.8
	Finished leather:	13.2	2.4
311102	Upper leather .....	49.2	52.1
311112	Soling leather .....	(D)	11.6
311108	All other finished leather .....	54.3	49.2
970099	All other materials and components, parts, containers, and supplies .....	11.8	13.2
971000	Materials, ingredients, containers, and supplies, n.s.k. <sup>3</sup> .....		

See footnotes at end of table.