

# MAINE STATE LEGISLATURE

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MAINE DEPARTMENT OF  
**LABOR**

BUREAU OF LABOR STANDARDS

Research and Statistics Division

**Census  
of  
Maine  
Manufactures  
1989**



John R. McKernan, Jr.  
*Governor*



Charles A. Morrison  
*Commissioner*

James H. McGowan  
*Director*

**DEPARTMENT OF LABOR  
Bureau of Labor Standards  
Research & Statistics Division**

**AUTHORIZATION**

Maine Revised Statutes 1964, Title 26, 42, 43, 46: "The Bureau shall collect, assort and arrange statistical details relating to .... industrial pursuits in the State. He (the Director) may .... cause to be printed and distributed bulletins .... that shall be of public interest and benefit to the State."

**COVERAGE**

This survey, insofar as possible, is of universal coverage for Maine manufacturing establishments ranging from the single proprietorships to the largest corporations. Reports covering 2,672 establishments were received since the original mailing in April of 1990. Of these, 213 either did not operate or went out of business during 1989. Final tabulations, according to major breakdown, will appear as usual in the next Census. These tabulations will include any late reports which are not included in this Census.

Taking into consideration the nature of the Maine economy and the extent of coverage in this survey, the data contained in the Census of Maine Manufactures 1989 represent a comprehensive and valid statistical analysis of the Maine manufacturing economy.

James H. McGowan  
Director  
Bureau of Labor Standards

**CENSUS OF MAINE MANUFACTURES - 1989**

BLS Bulletin 626

**CENSUS OF MAINE MANUFACTURES**

**1989**

The Research and Statistics Division of the Bureau of Labor Standards gratefully appreciates the contributions made by others toward this publication.

Thanks are due:

To Maine's manufacturing businesses for their cooperation in the collection of Census data, which makes this publication possible;

To the staff of the Bureau of Employment Security's Division of Economic Analysis and Research for their cooperation in providing the employment and wage data herein.

Prepared by:

Research & Statistics Division

John L. Rioux, Director

Robert W. Leighton, Statistician

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# CENSUS OF MAINE MANUFACTURES 1989

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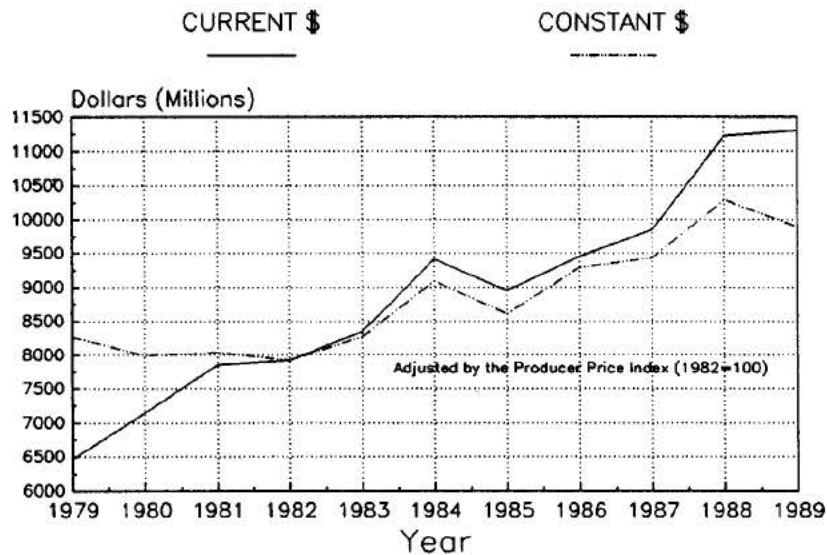
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### Maine Production Value

Maine's gross value of manufacturing product for 1989 reached \$11,305.9 million. This was a slight increase of 0.4 percent over the 1988 reported value of product. In constant dollars (using the Producer Price Index as a deflator), the value of Maine manufactures dropped 4.2 percent. (See Appendix F.)

Figure 1.

#### Value of Manufacturing Product in Current and Constant Dollars Maine 1979-1989

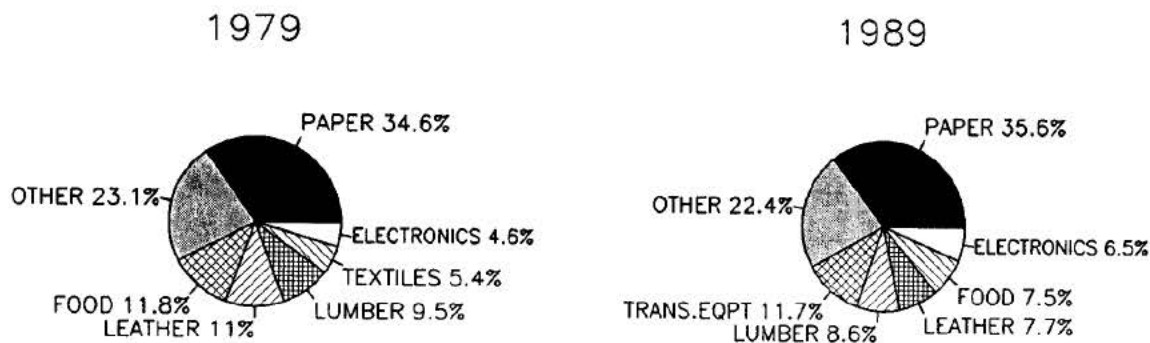


The gross value of product for Durable Goods dropped 3.8 percent in 1989. This was due, mainly, to the Electric and Electronic Equipment group, the Stone, Clay & Glass group, and the Lumber & Wood Products group which fell 23.9, 13.6, and 13.1 percent, respectively.

Nondurable goods, on the other hand, increased 2.9 percent over 1988 due to increases in the Chemical group, the Leather group, and the Paper group which increased 15.6 percent (\$21.0 million), 4.9 percent (\$41.1 million), and 4.8 percent (\$183.7 million), respectively.

Figure 2.

Value of Manufacturing Product, Percentage  
by Major Industry Group  
Maine 1979 & 1989



The Paper industry, which continues to dominate the State's value of product, had a \$4,024.8 million share of the manufacturing value in 1989. This was an increase of 4.8 percent over 1988 and gave Paper a 35.6 percent share in overall product value.

The Transportation Equipment group rose 5.5 percent to \$1,327.7 million which placed them in the number two position in 1989. The Lumber & Wood Products group decreased 13.1 percent and slipped to the third spot with \$973.7 million in product value.



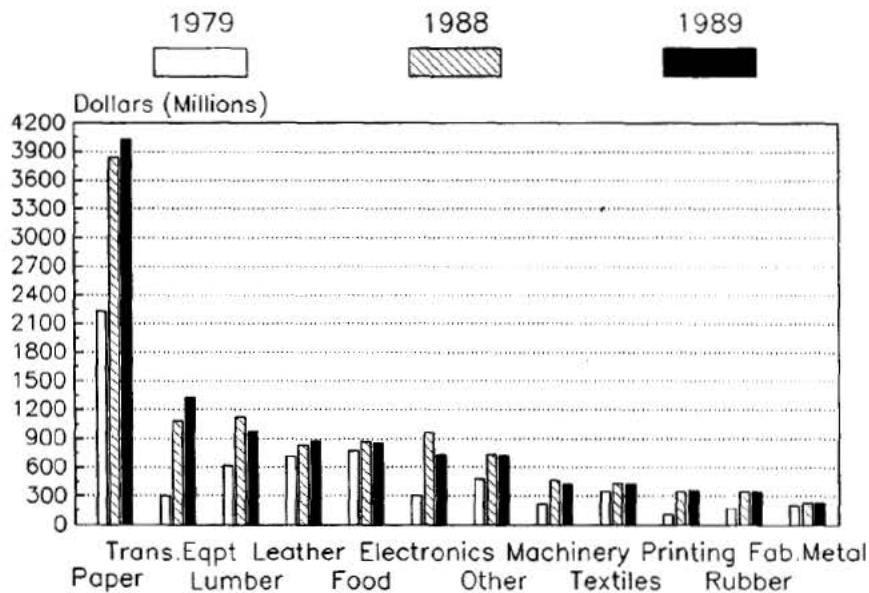
The industries with the largest percent share overall in manufacturing product value were Paper (35.5 percent), Transportation Equipment (11.7 percent), Lumber & Wood (8.6 percent), and Leather (7.7 percent).

The industries that experienced the largest percent gains in value of product in 1989 were Furniture, Transportation Equipment, Chemicals, and Precision Instruments with increases of 25.2 percent, 22.5 percent, 15.6 percent, and 5.5 percent, respectively.

The industries with the largest percent decreases in value of product were Electric & Electronic Equipment, Stone, Clay & Glass, and Lumber & Wood with drops of 23.9 percent, 13.6 percent, and 13.1 percent, respectively.

Figure 3.

Value of Manufacturing Product  
by Major Industry Group  
Maine 1979, 1988 & 1989



## Manufacturing Employment

Employment in Maine manufacturing decreased overall for the first time since 1986 falling 1.3 percent, from 106,916 in 1988 to 105,516 workers in 1989.

The industries mainly responsible for the decrease in employment in 1989 were Lumber & Wood, Electric & Electronic Equipment, Leather, and Apparel with losses of 1,080, 1,011, 780, and 761 employees, respectively.

Figure 4.

Manufacturing Employment  
Maine 1979-1989



The only industries with substantial gains in manufacturing employment in 1989 were Transportation Equipment with a gain of 2,060 employees and Paper with a gain of 1,249 employees. The Paper Industry also held the top spot with 17,663 employees or a 16.7 percent share of the overall manufacturing employment.

Figure 5.

Manufacturing Employment, Percentage  
by Major Industry Group  
Maine 1979 & 1989

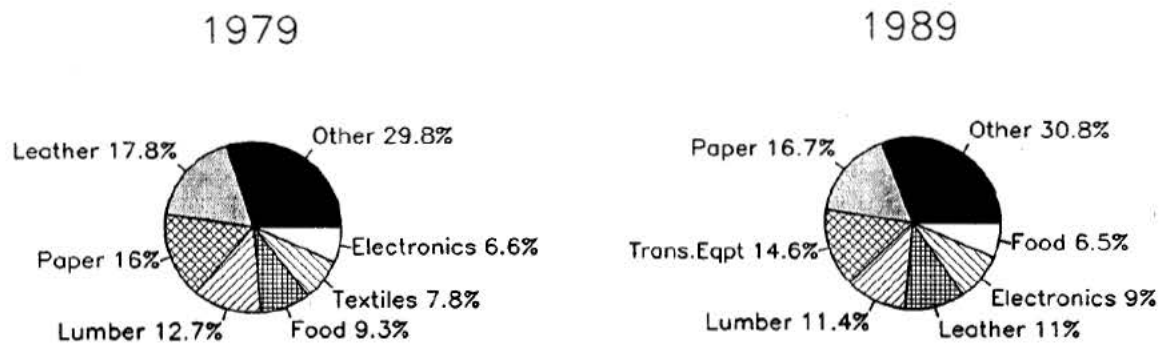
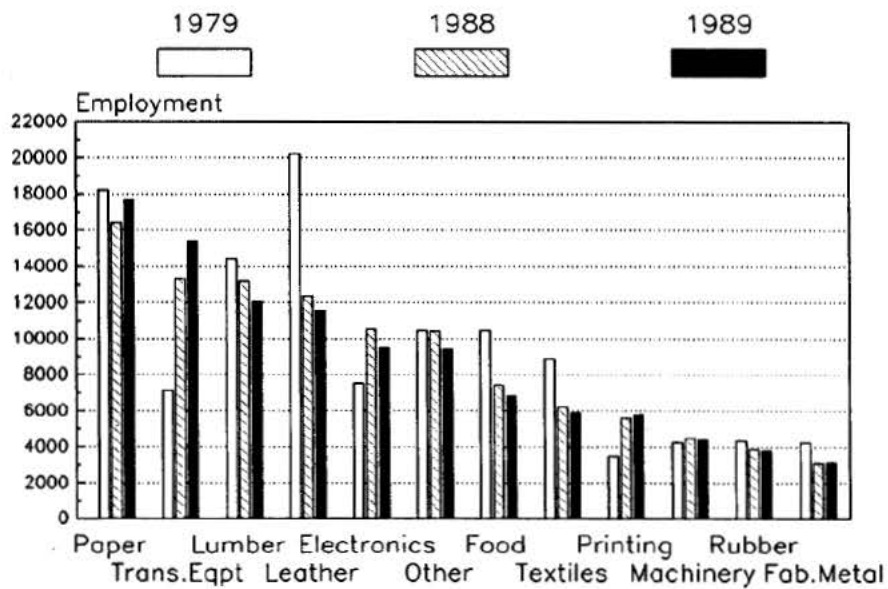


Figure 6.

Manufacturing Employment  
by Major Industry Group  
Maine 1979, 1988 & 1989



Following the Paper industry was the Transportation Equipment industry with 15,381 employees or 14.6 percent of overall employment.

Employment of males increased slightly in 1989 by 0.4 percent (316 employees) while employment of females dropped 5.1 percent (1,803 employees).

Males made up 68.4 percent (72,218 employees) of Maine's manufacturing employment while females made up 31.6 percent (33,298 employees).

### **Union Coverage**

The number of unionized manufacturing workers in Maine fell 7.6 percent in 1989 to 30,059 members after a rise in 1988 to 30,513. This was due mainly to decreases in the Apparel, Food, and Lumber & Wood groups which fell 24.6, 20.9, 14.0 percent, respectively.

The percentage of unionized manufacturing workers remained at 28.5 percent of the overall manufacturing employment. This was down from the 1979 figures when 32.9 percent of the manufacturing workers were organized.

Of all unionized manufacturing workers in the state, 42.2 percent were in the Paper industry. This industry also had the highest reported proportion of unionization at 72.8 percent, falling from 78.5 percent in 1988.

The Transportation and Lumber & Wood groups followed with a 28.9 percent and 5.7 percent share, respectively, of all unionized manufacturing workers.

Figure 7.

Manufacturing Employment  
Percentage Covered by Union Contracts  
Maine 1978 & 1989

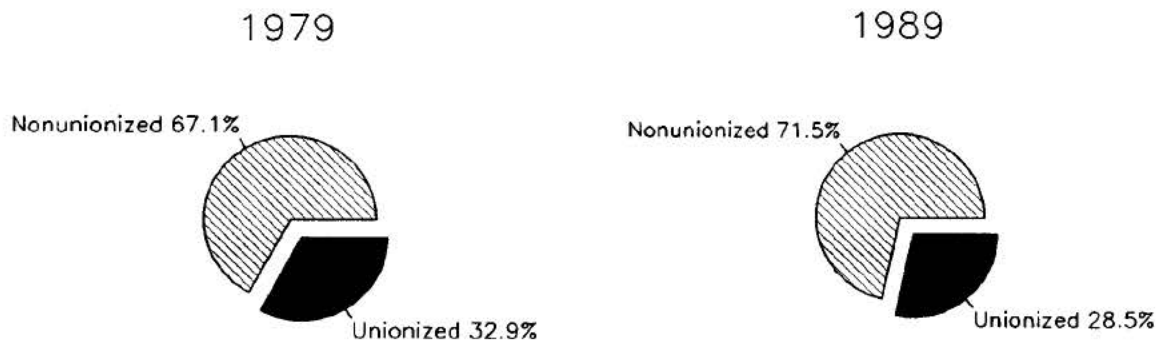
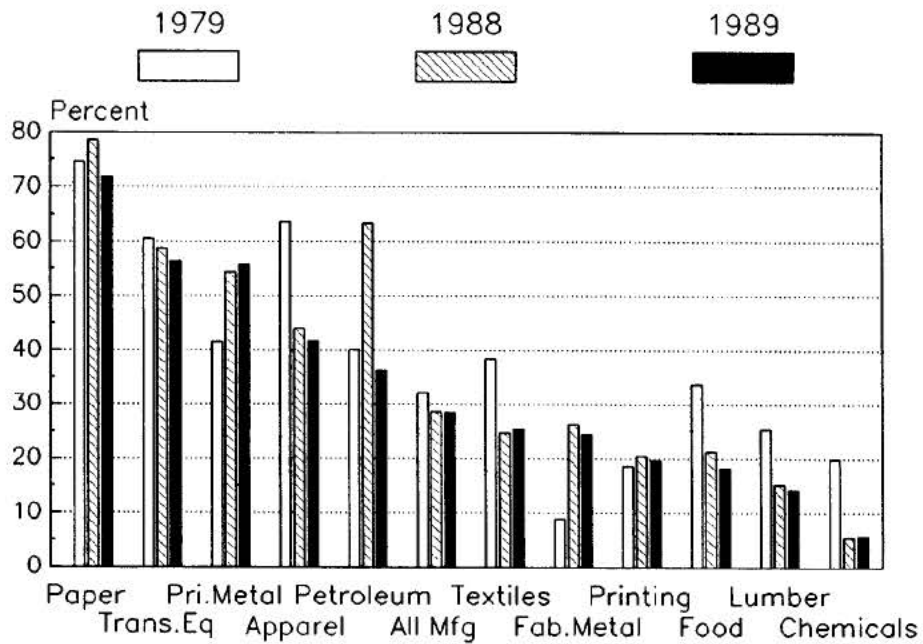


Figure 8.

Manufacturing Employment by Major Industry  
Group, Percentage Covered by Union Contracts  
Maine 1979, 1988 & 1989





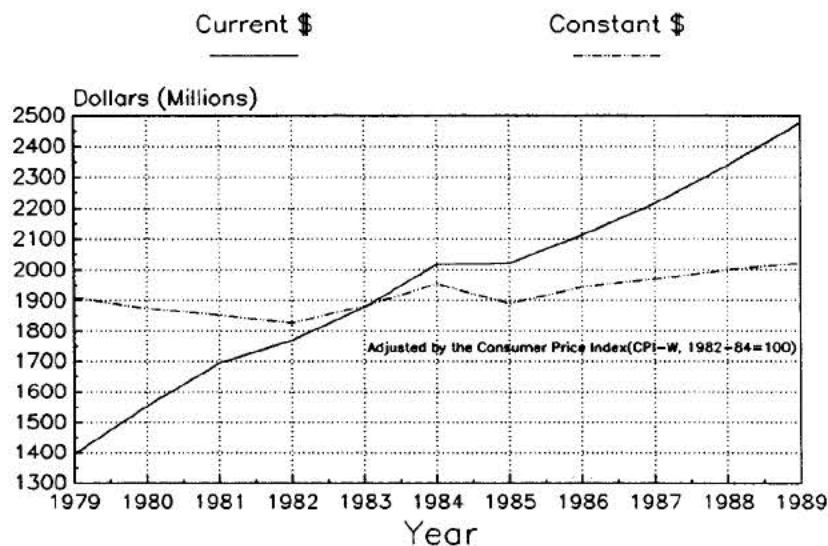
## Gross Wages

Gross wages in Maine manufacturing increased 6.0 percent, to \$2,476.6 million in 1989. The Paper industry accounted for 25.5 percent of the overall manufacturing wages in the state, paying out \$630.5 million in gross wages which was the highest of any industry. This was an increase of 13.7 percent over 1988. The Transportation and Lumber & Wood Products industry followed with \$406.5 million and \$222.9 million paid, accounting for 16.4 percent and 9.0 percent, respectively, of overall gross wages.

Significant dollar increases in gross wages in 1989 occurred in the Paper group (\$76.0 million), the Transportation group (\$58.0 million), and the Lumber & Wood group (\$10.7 million).

Figure 9.

### Gross Manufacturing Wages in Current and Constant Dollars Maine 1979-1989

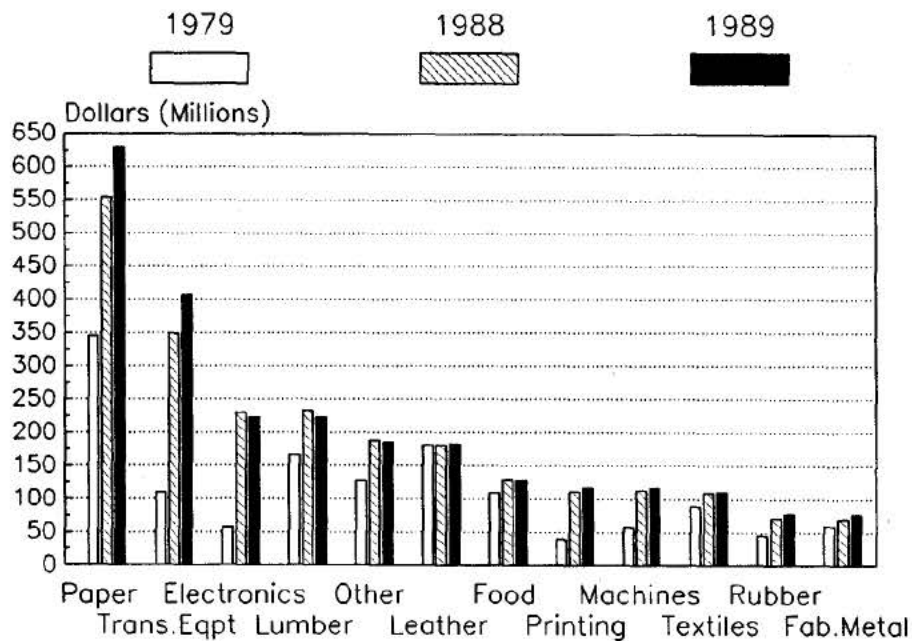


The largest percent increases in gross wages for major industries were in the Petroleum & Coal products, Transportation Equipment, and Paper groups which rose 44.5 percent (\$2.2 million), 16.7 percent (\$58.4 million), and 13.7 percent (\$76.0 million), respectively.

The most significant percent drops in gross wages occurred in the Apparel and the Miscellaneous Manufacturing industries which fell 17.2 percent (\$2.5 million) and 10.6 percent (\$5.2 million), respectively.

Figure 10.

Gross Manufacturing Wages  
by Major Industry Group  
Maine 1979, 1988 & 1989

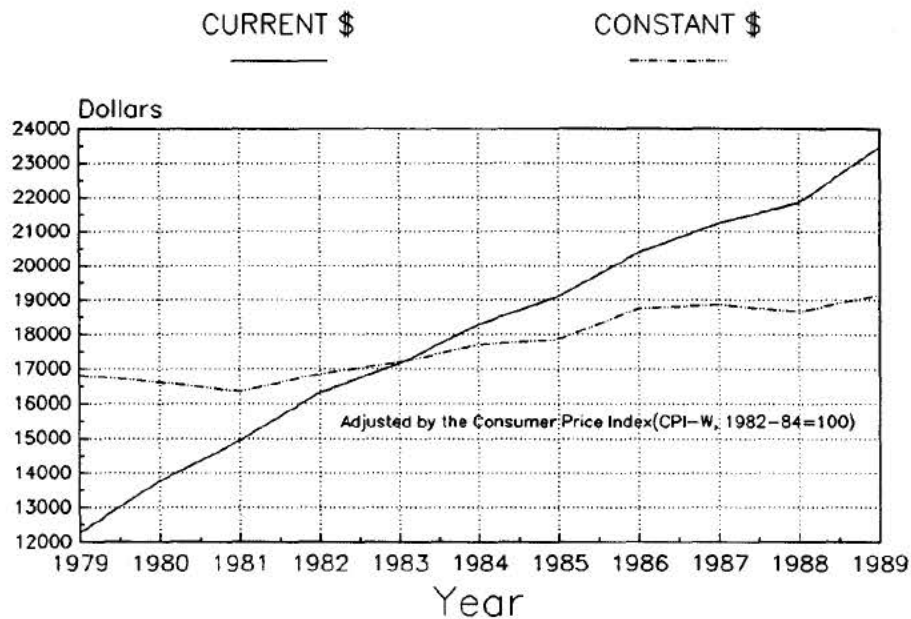


### Average Wages

The average yearly wage for Maine manufacturing workers increased by \$1,613.00 (7.4 percent) to \$23,470.00 in 1989. By comparison, the annual average Consumer Price Index rose 5.6 percent between 1988 and 1989. (See Appendix F.) As a result, Maine manufacturing workers had a 1.8 percent increase in buying power.

Figure 11.

#### Average Manufacturing Wages in Current and Constant Dollars Maine 1979-1989



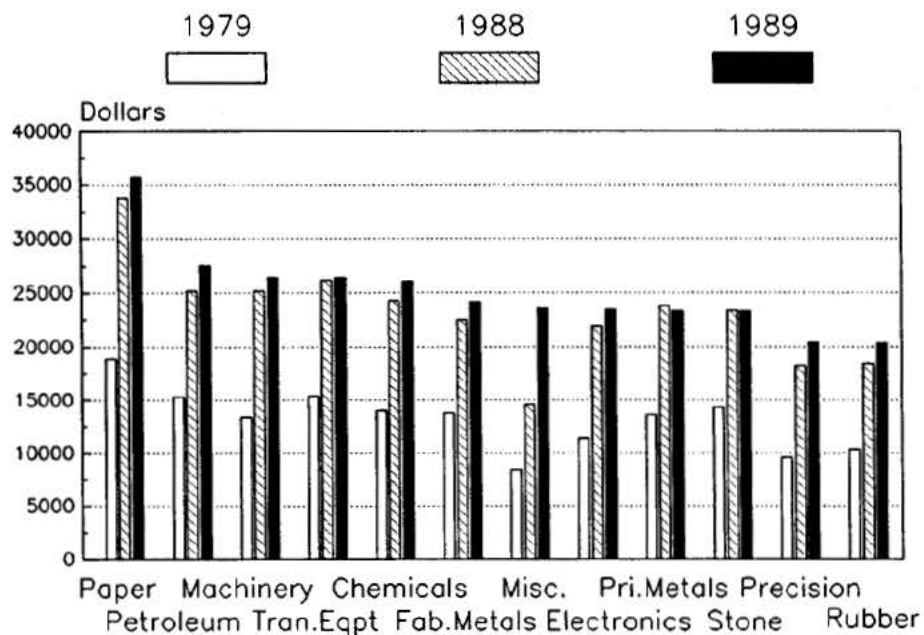
The Paper Industry paid out the highest reported average wages, \$35,697.00, and was 152.1 percent of the Maine manufacturing average for 1989. The Apparel Industry paid out the lowest average wages, \$14,603.00, or 62.2 percent of the overall average.

The highest percent increases in average wages for the year occurred in the Apparel, Precision Instruments, and Rubber & Plastics groups which rose 12.2 percent (\$1,587.00), 12.0 percent (\$2,188.00), and 10.7 percent (\$1,976.00), respectively.

The only industries to suffer a drop in average wages were the Stone, Clay & Glass group, 1.9 percent (\$443.00) and the Primary Metals group, 0.4 percent (\$92.00).

Figure 12.

Average Manufacturing Wages  
by Major Industry Group  
Maine 1979, 1988 & 1989



### **Capital Expenditures**

Capital expenditures for 1989 were up 31.4 percent to \$879.2 million, an increase of \$210.1 million over 1988 figures.

Capital expenditures for Durable Goods fell 6.4 percent from 1988 to \$159.6 million in 1989. Capital expenditures for Nondurable Goods rose 44.4 percent to \$719.6 million in 1989. This increase was due primarily to the Paper industry which increased \$196.1 million.

Substantial gains in capital expenditures occurred in the Paper, Printing & Publishing, and Transportation groups which recorded increases of \$196.1 million (52.3 percent), \$25.4 million (88.9 percent), and \$22.0 million (97.1 percent), respectively.

Decreases in capital expenditures occurred in the Lumber & Wood, Leather , and Nonelectric Machinery groups which dropped \$26.2 million (37.1 percent), \$14.4 million (62.3 percent), and \$7.0 million (34.6 percent), respectively.



Figure 13.

Capital Expenditures in Manufacturing  
in Current and Constant Dollars  
Maine 1979-1989

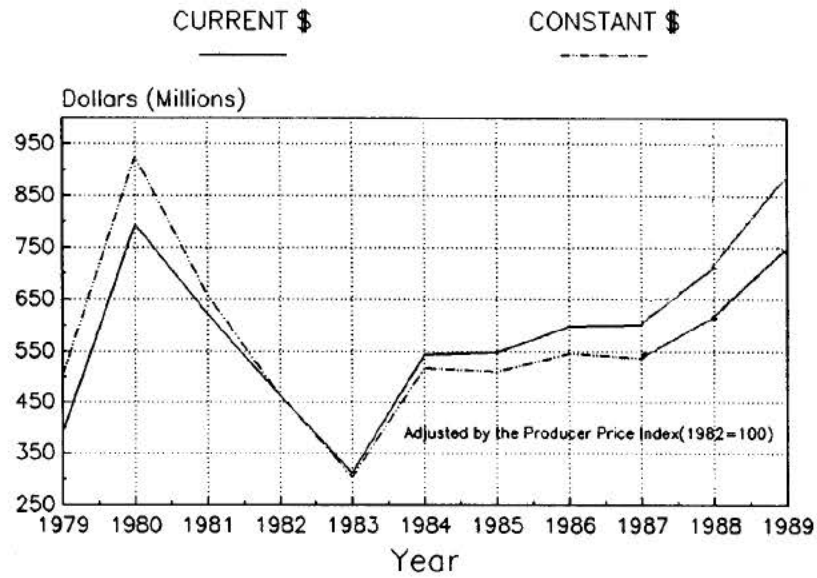
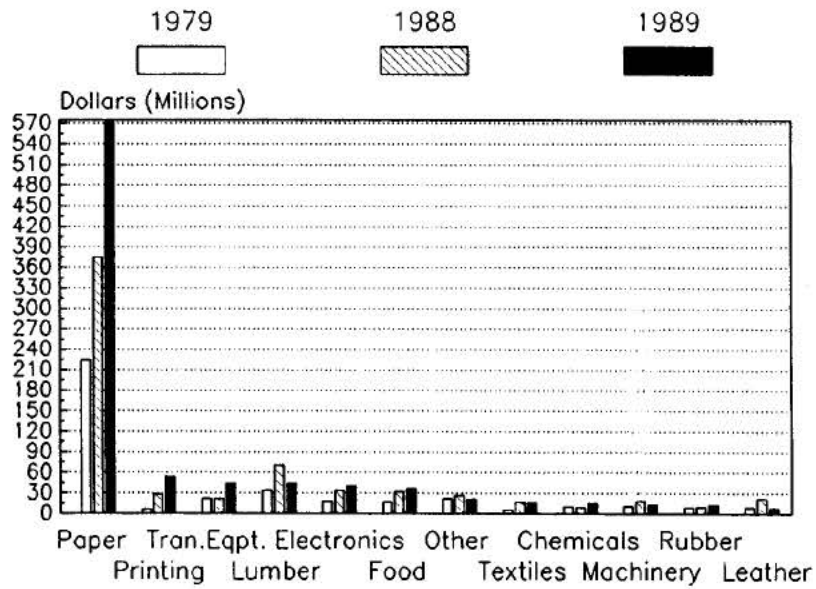


Figure 14.

Capital Expenditures in Manufacturing  
by Major Industry Group  
Maine 1979, 1988 & 1989



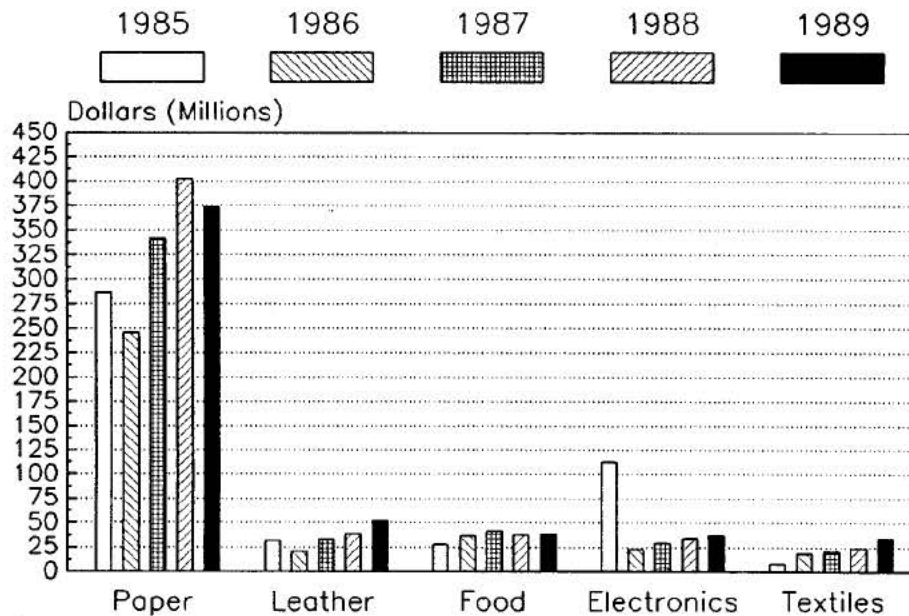
### Foreign Imports

Imports used in the manufacturing process increased for the third consecutive year in 1989 after a drop in 1986. The gain for 1989 was 3.9 percent. This increase was due mainly to the Textiles, Leather, and Chemicals groups which rose 39.3 percent (\$9.6 million), 35.4 percent (\$13.5 million), and 27.4 percent (\$5.2 million), respectively.

The Paper Industry, once again, had the largest share of expenditures for imports overall in 1989 accounting for 57.1 percent of all imported materials used in manufacturing. Next were Leather and Food which had a 7.9 and 5.9 percent share, respectively.

Figure 15.

Imports Used in Manufacturing  
by Major Industry Group  
Maine 1985-1989

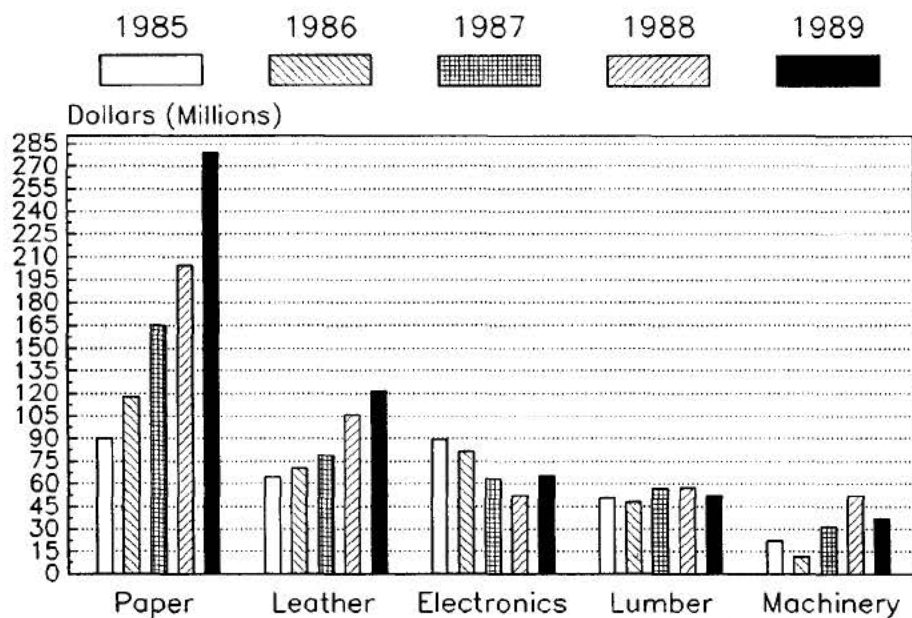


## Foreign Exports

Exports to other countries by Maine manufacturers amounted to \$672.1 million, a 6.7 percent decrease from 1988. This change was due mainly to the Durable goods group, in which seven of nine industries suffered decreases. In particular, the Transportation Equipment group dropped 81.3 percent or \$74.6 million and the Electric & Electronic Equipment dropped 40.6 percent or \$44.7 million. On the other hand, nine of ten Nondurable goods industries showed increases, especially Paper and Leather which increased 36.5 percent (\$74.7 million) and 14.3 percent (\$15.2 million), respectively.

Figure 16.

### Manufacturing Exports by Major Industry Group Maine 1985-1989



### Value of Manufacturing Product by County Group

For 1989, the I-95 Corridor remained the top producing area. (See Table 4.) It contained the three counties in Maine that recorded over one billion dollars in manufacturing product, Cumberland (\$1.67 billion), Penobscot (\$1.59 billion), and York (\$1.43 billion), which, together, contributed 7 billion dollars for this area.

Next was the Western group of counties, which totaled \$2.36 billion. These two areas were the only areas to show increases in value of product in 1989.

The greatest increase occurred in the I-95 Corridor, 3.2 percent, whereas the greatest decrease occurred in the Northern group of counties which fell 13.7 percent.

Over the past ten years, the areas with the largest increases in product value were the Western area (87.0 percent), the I-95 Corridor (79.8 percent), and the Eastern area (70.4 percent).

Figure 17.

Value of Manufacturing Product  
by County Group  
Maine 1979, 1988 & 1989

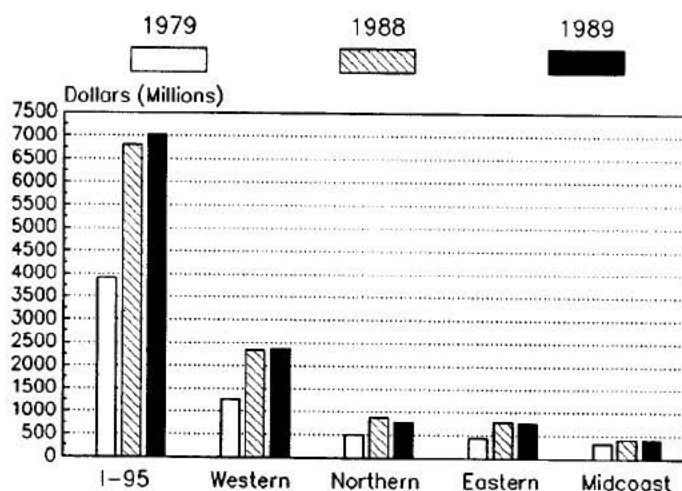


Figure 18.

Value of Manufacturing Product Index  
by County Group  
Maine 1979-1989

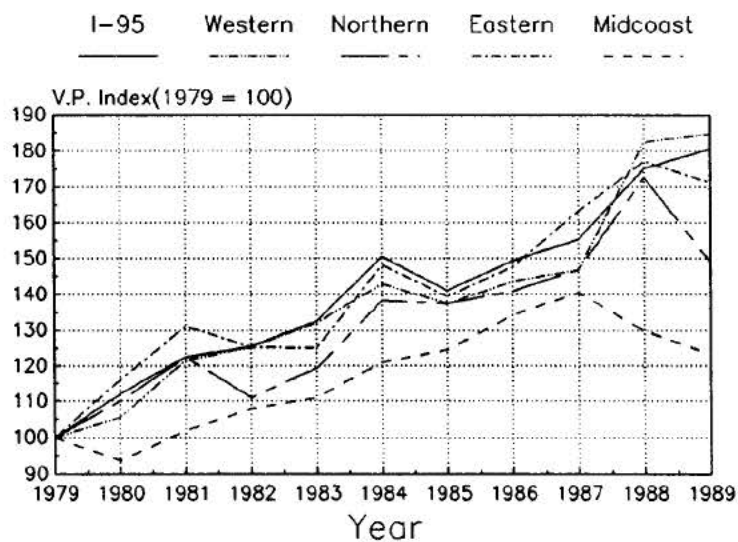


Figure 19.

Regional Contribution to the Change in  
Value of Manufacturing Product by County Group  
Maine 1979-1989 and 1988-1989

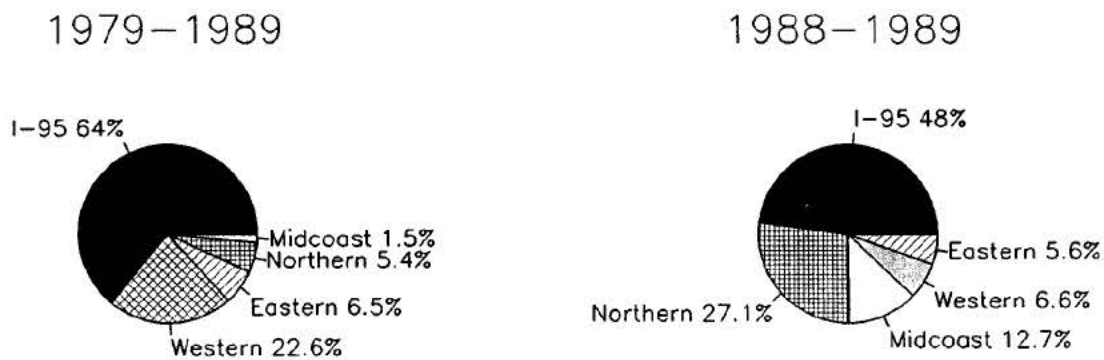




TABLE 1

## CENSUS OF MAINE MANUFACTURES BY MAJOR INDUSTRY, 1989

INDUSTRY	NUMBER REPORTING	VALUE OF PRODUCT			EMPLOYMENT			UNIONIZED WORKERS	WAGES	
		\$	% CHANGE FROM 1984 1988		TOTAL	MALE	FEMALE		GROSS	AVERAGE
<b>TOTAL</b>	2,672	11,305,869,594	20.0	0.4	105,516	72,218	33,298	30,059	\$ 2,476,562,713	\$ 23,471
<b>DURABLE GOODS</b>	1,749	4,028,841,616	21.4	-3.8	48,947	36,385	12,562	11,882	1,142,271,941	23,336
Lumber & Wood Products (24)	1,024	973,693,569	8.5	-13.1	12,077	9,708	2,369	1,728	222,877,215	18,454
Furniture (25)	48	98,861,768	121.8	25.2	1,221	909	312	40	24,746,899	20,267
Stone, Clay & Glass (32)	96	140,659,293	52.5	-13.6	1,762	1,502	260	4	41,093,698	23,322
Primary Metals (33)	11	37,046,537	38.9	-3.6	617	482	135	344	14,399,047	23,337
Fabricated Metals (34)	122	236,164,865	19.5	2.4	3,155	2,480	675	774	76,363,655	24,204
Nonelectric Machinery (35)	194	426,548,152	17.5	-7.5	4,413	3,601	812	137	116,670,369	26,437
Electric & Electronic Eqpt.(36)	64	728,955,446	-19.6	-23.9	9,510	4,222	5,288	180	223,056,491	23,454
Transportation Equipment (37)	163	1,327,732,753	76.0	22.5	15,381	13,089	2,292	8,675	406,517,455	26,429
Precision Instruments (38)	27	59,179,233	67.3	5.5	811	392	419	0	16,547,112	20,403
<b>NONDURABLE GOODS</b>	923	7,277,869,594	19.3	2.9	56,569	35,833	20,736	18,177	1,334,290,772	23,587
Food (20)	173	852,361,107	22.5	-2.0	6,839	4,484	2,355	1,253	127,909,133	18,702
Textiles (22)	71	423,755,868	-3.9	-2.4	5,910	3,638	2,272	1,497	110,370,029	18,675
Apparel (23)	68	143,898,134	-43.6	-9.9	2,980	771	2,209	1,240	43,518,905	14,603
Paper (26)	49	4,024,813,669	28.3	4.8	17,663	15,111	2,552	12,675	630,517,749	35,697
Printing & Publishing (27)	327	363,596,639	76.4	2.7	5,785	3,175	2,610	1,132	117,137,349	20,248
Chemicals (28)	36	168,202,378	50.0	15.6	978	602	376	55	25,486,450	26,059
Petroleum & Coal Products (29)	8	32,320,115	-2.4	-3.1	259	248	11	94	7,138,778	27,562
Rubber & Plastics (30)	44	350,761,978	-0.2	-0.4	3,795	2,229	1,566	149	77,289,797	20,366
Leather (31)	70	871,130,820	3.6	4.9	11,576	5,239	6,337	82	182,785,638	15,790
Miscellaneous (39)	77	46,187,270	54.8	-12.5	784	336	448	0	12,136,944	15,480

TABLE 2

## MAINE CAPITAL EXPENDITURES &amp; FOREIGN EXPORTS BY MAJOR INDUSTRY, 1989

INDUSTRY	PLANT MODERNIZATION & EQUIPMENT				PLANNED		FOREIGN EXPORTS	
	TOTAL	NEW STRUCTURES	EXISTING STRUCTURES	EQUIPMENT	1990	1991	IMPORTS	EXPORTS
	\$	\$	\$	\$	\$	\$	\$	\$
<b>TOTAL</b>	879,198,723	148,919,725	8,223,208	722,055,790	614,994,622	388,157,833	655,211,090	672,132,488
<b>DURABLE GOODS</b>	159,554,835	19,651,587	6,012,351	133,890,897	136,702,502	118,470,074	102,371,295	199,431,336
Lumber & Wood Products (24)	44,485,154	4,923,174	836,431	38,725,549	34,800,139	20,558,284	12,154,411	52,456,034
Furniture (25)	2,112,036	198,594	900,000	1,013,442	1,504,750	2,352,250	33,500	2,871,177
Stone, Clay, & Glass (32)	6,881,390	1,541,582	0	5,339,808	3,648,200	1,239,500	1,047,321	213,435
Primary Metals (33)	1,018,413	15,610	0	1,002,803	1,505,000	1,452,000	740,126	4,684,893
Fabricated Metals (34)	3,366,948	545,601	89,170	2,732,177	4,215,688	2,398,735	8,200,496	11,545,695
Nonelectric Machinery (35)	13,423,593	2,719,664	7,500	10,696,429	13,614,881	10,362,030	33,261,867	37,153,368
Electric & Electronic Eqpt. (36)	40,561,145	1,301,825	3,664,250	35,595,070	40,147,662	28,903,075	37,242,904	65,470,694
Transportation Equipment (37)	44,644,389	8,094,889	515,000	36,034,500	33,147,282	35,496,100	9,488,379	17,123,663
Precision Instruments (38)	3,061,767	310,648	0	2,751,119	4,118,900	15,708,100	202,291	7,912,377
<b>NONDURABLE GOODS</b>	719,643,888	129,268,138	2,210,857	588,164,893	478,292,120	269,687,759	552,839,795	472,701,152
Food (20)	36,652,977	12,156,521	329,606	24,166,850	23,554,870	8,405,951	38,399,758	16,708,933
Textiles (22)	16,554,132	2,888,787	0	13,665,345	12,888,431	9,400,700	34,153,205	5,410,666
Apparel (23)	1,142,433	264,921	0	877,512	1,437,156	711,200	12,998,700	588,476
Paper (26)	570,833,251	87,343,355	0	483,489,896	389,913,774	215,441,769	374,042,894	279,334,456
Printing & Publishing (27)	53,872,853	21,548,036	541,844	31,782,973	8,468,225	7,278,939	2,452,619	1,360,659
Chemicals (28)	15,562,849	2,711,249	109,000	12,742,600	16,844,700	9,744,500	24,070,744	30,120,420
Petroleum & Coal Products (29)	3,047,598	298,000	118,000	2,631,598	1,820,570	118,000	4,278,972	0
Rubber & Plastics (30)	13,051,804	475,765	0	12,576,039	17,150,875	15,038,900	9,353,993	16,182,136
Leather (31)	8,376,233	1,395,589	1,064,021	5,916,623	5,512,430	3,329,000	51,797,389	121,433,966
Miscellaneous (39)	549,758	185,915	48,386	315,457	701,089	218,800	1,291,521	1,561,440

Table 3

**CENSUS OF MAINE MANUFACTURES  
BY MAJOR INDUSTRY & INDUSTRIAL GROUPS, 1989**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
<b>TOTAL MANUFACTURING</b>	\$11,305,869,594	\$2,476,562,713	\$23,470	105,516	72,218	32,981
<b>DURABLE GOODS</b>						
<b>24 LUMBER &amp; WOOD PRODUCTS</b>	973,693,569	222,877,215	18,454	12,077	9,708	2,369
241 Logging Camps & Contractors	394,615,997	63,350,020	18,405	3,442	3,192	250
2411 Logging Camps & Contractors	394,615,997	63,350,020	18,405	3,442	3,192	250
242 Sawmills & Planing Mills	273,809,909	64,734,162	21,189	3,055	2,707	348
2421 Sawmills & Planing Mills, Gen.	256,871,929	59,684,503	21,758	2,743	2,450	293
2426 Hardwood & Flooring Mills	16,647,252	4,969,416	16,509	301	247	54
2429 Special Product Sawmills, NEC	290,728	80,243	7,294	11	10	1
243 Millwork & Cabinets	62,583,143	19,527,259	18,318	1,066	854	212
2431 Millwork	21,066,668	6,664,960	19,777	337	285	52
2434 Wood Kitchen Cabinets	8,035,101	2,727,311	15,151	180	147	33
244 Wood Containers	10,212,125	2,800,343	13,727	204	152	52
2449 Wood Containers, NEC	3,035,737	1,225,912	12,769	96	60	36
245 Wood Buildings & Mobile Homes	52,059,629	11,215,612	19,850	565	489	76
2451 Mobile Homes	25,700,369	5,834,965	18,064	323	282	41
2452 Prefabricated Wood Buildings	26,359,260	5,380,647	22,234	242	207	35
249 Miscellaneous Wood Products	180,412,766	61,249,819	16,355	3,745	2,314	1,431
2499 Wood Products, NEC	131,516,550	52,441,111	15,612	3,359	1,963	1,396
<b>25 FURNITURE AND FIXTURES</b>	98,861,768	24,746,899	20,267	1,221	909	312
<b>32 STONE, CLAY &amp; GLASS</b>	140,659,293	41,093,698	23,322	1,762	1,502	260
323 Glass Prod., from Purchased Glass	4,640,059	1,270,725	23,104	55	31	24
3231 Glass Prod., from Purch. Glass	4,640,059	1,270,725	23,104	55	31	24
326 Pottery and Related Products	2,854,101	1,207,840	10,412	116	42	74
3269 Pottery Products, NEC	2,854,101	1,207,840	10,412	116	42	74
327 Concrete, Gypsum & Plaster Product	81,754,037	24,691,750	22,406	1,102	992	110
3272 Concrete Products, NEC	31,393,619	8,654,582	22,305	388	354	34
3273 Ready-Mixed Concrete	40,814,561	12,861,560	21,873	588	536	52
328 Cut Stone & Stone Products	886,978	301,932	21,566	14	10	4
3281 Cut Stone & Stone Products	886,978	301,932	21,566	14	10	4
329 Nonmetallic Mineral Products, NEC	2,290,769	555,315	16,332	34	28	6
<b>33 PRIMARY METALS</b>	37,046,537	14,399,047	23,337	617	482	135
<b>34 FABRICATED METALS</b>	236,164,865	76,363,655	24,204	3,155	2,480	675
342 Cutlery, Hand Tools & Gen. Hdwre.	8,987,417	4,441,113	22,095	201	176	25
3423 Hand & Edge Tools	6,653,532	3,787,257	22,953	165	148	17
3429 Hardware, NEC	2,333,885	653,856	18,162	36	28	8
343 Heating Equipment, except Electric	4,788,402	1,859,109	20,656	90	78	12
3433 Heating Eqpt., ex. Electric	3,604,908	1,310,265	20,797	63	54	9
344 Structural Metal Products	95,082,420	25,319,331	24,701	1,025	888	137
3441 Structural Metal	38,123,038	11,019,468	25,449	433	391	42
3443 Fabricated Plate Work	21,896,614	5,374,725	27,422	196	176	20
3444 Sheet Metal Work	28,226,765	7,363,392	22,112	333	270	63
3446 Architectural Metal Works	1,258,964	367,682	22,980	16	15	1
346 Metal Forgings & Stampings	5,129,458	1,909,067	24,793	77	63	14
349 Fabricated Metal Products, NEC	54,050,942	15,721,911	23,326	674	430	244
<b>35 NONELECTRICAL MACHINERY</b>	426,548,152	116,670,369	26,437	4,413	3,601	812
352 Farm & Garden Machinery & Eqpt.	2,587,057	437,063	14,568	30	27	3
3523 Farm Machinery & Equipment	2,587,057	437,063	14,568	30	27	3
353 Construction Machinery & Equip.	53,246,775	8,636,477	24,124	358	305	53
354 Metalworking Machinery	53,053,315	15,698,001	24,566	639	514	125
3542 Machine Tools, Metal Forming	7,531,526	2,592,419	27,578	94	86	8
3544 Special Dies & Tools	13,212,503	6,615,053	30,205	219	197	22
3545 Machine Tool Accessories, etc.	17,485,435	4,185,946	18,604	225	167	58
3546 Power-Driven Handtools	6,328,827	975,202	19,504	50	18	32
355 Special Industry Machinery	36,523,625	9,709,124	28,061	346	300	46
3559 Special Industry Machinery, NEC	12,333,495	4,408,760	28,261	156	138	18
356 Gen. Industrial Machinery & Eqpt.	55,148,693	17,217,236	25,735	669	501	168
358 Refrigeration & Service Machinery	13,171,193	3,348,175	24,618	136	105	31
359 Miscellaneous	88,950,417	33,030,399	26,256	1,258	1,120	138

Table 3 (Continued)

**CENSUS OF MAINE MANUFACTURES  
BY MAJOR INDUSTRY & INDUSTRIAL GROUPS, 1989**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
<b>35 NONELECTRICAL MACHINERY(Con.)</b>						
3599 Nonelectrical Machinery, NEC	\$ 88,950,417	\$ 33,030,399	\$26,256	1,258	1,120	138
<b>36 ELECTRIC &amp; ELECTRONIC EQUIPMENT</b>	728,955,446	223,056,491	23,454	9,510	4,222	5,288
361 Electric Trans. & Dist. Equipment	129,693,658	26,582,944	23,176	1,147	554	593
3613 Switchgear & Switchboard Appar.	129,693,658	26,582,944	23,176	1,147	554	593
363 Household Appliances	20,395,737	11,478,059	20,869	550	342	208
364 Electric Light & Wiring Equipment	35,670,654	8,925,955	17,605	507	182	325
366 Communication Equipment	85,552,921	21,249,549	20,353	1,044	652	392
367 Electronic Components	428,159,949	144,934,949	24,830	5,837	2,346	3,491
3674 Semiconductors & Related Device	191,138,085	83,928,499	28,479	2,947	1,446	1,501
3679 Electric Components, NEC	138,279,810	29,813,995	20,226	1,474	566	908
<b>37 TRANSPORTATION EQUIPMENT</b>	1,327,732,753	406,517,455	26,429	15,381	13,089	2,292
371 Motor Vehicles & Motor Vehic. Eqpt.	31,565,906	6,878,302	18,053	381	241	140
376 Guided Missiles & Space Vchs.	41,099,712	11,795,048	17,422	677	309	368
3764 Guided Missile & Space Veh. Pr.	41,099,712	11,795,048	17,422	677	309	368
379 Misc. Transportation Equipment	6,513,619	1,944,649	20,047	97	84	13
3792 Travel Trailers and Campers	5,511,100	1,718,669	20,219	85	73	12
3799 Transportation Equipment, NEC	1,002,519	225,980	18,831	12	11	1
<b>38 PRECISION INSTRUMENTS</b>	59,179,233	16,547,112	20,403	811	392	419
381 Engineering & Research Equipment	35,857,129	9,246,730	25,614	361	245	116
384 Surgical, Medical, & Dental	12,934,870	5,311,594	17,134	310	102	208
3842 Orthopedic & Surgical Supplies	9,212,763	3,981,890	16,121	247	89	158
<b>DURABLE GOODS TOTAL</b>	4,028,841,616	1,142,271,941	23,336	48,947	36,385	12,562
<b>NONDURABLE GOODS</b>						
<b>20 FOOD</b>	852,361,107	127,909,133	18,702	6,839	4,484	2,355
201 Meat Products	70,231,383	10,633,569	21,656	491	305	18
202 Dairy Products	135,431,133	15,551,936	22,185	701	540	161
203 Preserved Fruits & Vegetables	203,012,270	31,756,138	16,722	1,899	1,182	717
2037 Frozen Fruits & Vegetables	119,006,316	22,740,315	16,254	1,399	860	539
205 Bakery Products	178,549,015	25,770,984	21,729	1,186	893	293
2051 Perishable Bakery Products	178,549,015	25,770,984	21,729	1,186	893	293
208 Beverages	109,066,028	14,308,033	25,145	569	473	96
2086 Bottled and Canned Soft Drinks	67,129,902	10,566,611	25,098	421	367	54
209 Miscellaneous	120,081,750	23,693,200	13,855	1,710	872	838
2091 Canned & Cured Seafood	55,685,982	12,013,278	13,888	865	363	502
<b>22 TEXTILES</b>	423,755,868	110,370,029	18,675	5,910	3,638	2,272
222 Weaving Mills, Synthetics	84,979,159	28,562,150	19,169	1,490	926	564
2221 Broad Woven Fabrics, Synth.	84,979,159	28,562,150	19,169	1,490	926	564
223 Weaving & Finishing Mills, Wool	134,875,977	31,896,916	19,203	1,661	1,093	568
2231 Broad Woven Fabrics, Wool	134,875,977	31,896,916	19,203	1,661	1,093	568
224 Narrow Fabrics	26,583,684	6,651,132	19,677	338	158	180
2241 Narrow Fabrics	26,583,684	6,651,132	19,677	338	158	180
227 Floor Covering Mills	1,404,958	723,686	14,473	50	24	26
228 Yarn & Thread Mills	49,080,167	17,447,753	16,382	1,065	596	469
2283 Yarn Mills Wool, Carpet & Rug	20,873,396	9,443,130	16,169	584	318	266
229 Miscellaneous	79,788,470	18,279,225	19,613	932	635	297
2298 Cordage & Twine	33,829,390	7,543,678	19,392	389	246	143
2299 Textile Goods, NEC	4,421,783	694,431	15,431	45	17	28
<b>23 APPAREL</b>	143,898,134	43,518,905	14,603	2,980	771	2,209
233 Women's Outerwear	4,323,107	2,159,713	12,133	178	13	165
238 Misc. Apparel & Accessories	9,810,494	5,124,031	15,070	340	97	243
239 Fabricated Textile Products, NEC	76,580,648	14,873,173	16,237	916	416	500
2394 Canvas & Related Products	8,579,759	2,389,183	16,364	146	83	63
2399 Fabric., Textile Products, NEC	1,726,157	747,952	11,332	66	21	45

Table 3 (Continued)

**CENSUS OF MAINE MANUFACTURES  
BY MAJOR INDUSTRY & INDUSTRIAL GROUPS, 1989**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
<b>26 PAPER</b>	\$4,024,813,669	\$630,517,749	\$35,697	17,663	15,111	2,552
262 Paper Mills, except Building Mills	3,696,995,615	565,413,116	37,217	15,192	13,277	1,915
2621 Paper Mills, exc. Building Mills	3,696,995,615	565,413,116	37,217	15,192	13,277	1,915
264 Miscellaneous Converted Paper	145,834,177	35,854,833	26,228	1,367	911	456
2643 Bags, Except Textile Bags	19,123,486	4,415,454	22,413	197	143	54
2648 Stationery, Tablets & Related	7,839,648	784,405	16,008	49	14	35
265 Paperboard Containers & Boxes	90,710,676	13,950,964	24,691	565	435	130
2653 Corrugated & Solid Fiber Boxes	77,697,689	12,535,198	25,221	497	386	111
<b>27 PRINTING &amp; PUBLISHING</b>	363,596,639	117,137,349	20,248	5,785	3,175	2,610
271 Newspapers	154,329,194	60,314,865	20,424	2,953	1,541	1,412
2711 Newspapers, Pub. & Printing	154,329,194	60,314,865	20,424	2,953	1,541	1,412
272 Magazines & Periodicals	22,387,449	5,915,305	23,197	255	93	162
2721 Magazines	22,387,449	5,915,305	23,197	255	93	162
273 Books	17,388,457	5,290,099	21,160	250	108	142
2731 Book Publishing	17,388,457	5,290,099	21,160	250	108	142
274 Miscellaneous	378,600	36,263	7,252	5	2	3
2741 Publishing, Miscellaneous	378,600	36,263	7,252	5	2	3
275 Commercial Printing	159,466,904	42,602,688	19,741	2,158	1,377	781
2751 Com.Prntng, Letterpress & Screen.	42,277,779	12,021,669	20,204	595	366	229
2752 Lithographic	115,408,304	29,968,353	19,690	1,522	989	533
278 Blankbooks, Bookbinding & Related	889,202	343,182	15,599	2	6	4
2789 Bookbinding & Related Work	389,202	134,958	13,495	10	6	4
279 Service Industries	2,693,626	1,302,849	18,095	72	22	50
2791 Typesetting	2,693,626	1,302,849	18,095	72	22	50
<b>28 CHEMICALS</b>	168,202,378	25,486,450	26,059	978	602	376
281 Industrial Inorganic Chemicals	55,016,695	6,664,867	28,977	230	207	23
282 Plastics Materials, etc.	3,194,468	565,643	28,282	20	17	3
283 Drugs	78,632,957	12,616,978	29,410	429	242	187
2831 Biological Products	7,162,526	2,442,692	25,444	96	41	55
284 Cleaning Preparations, etc.	18,222,201	3,630,201	18,616	195	69	126
287 Agricultural Chemicals	9,491,261	1,176,814	19,946	59	45	14
<b>29 PETROLEUM &amp; COAL PRODUCTS</b>	32,320,115	7,138,778	27,562	259	248	11
295 Paving & Roofing Materials	32,320,115	7,138,778	27,562	259	248	11
2951 Paving Mixtures & Blocks	32,320,115	7,138,778	27,562	259	248	11
<b>30 RUBBER &amp; PLASTICS</b>	350,761,978	77,289,797	20,366	3,795	2,229	1,566
306 Fabricated Rubber Products, NEC	11,823,084	2,674,730	22,105	121	69	52
3069 Fabricated Rubber Products, NEC	11,823,084	2,674,730	22,105	121	69	52
307 Plastic Products	283,987,146	58,234,669	21,038	2,768	1,700	1,068
3079 Miscellaneous Plastic Products	283,987,146	58,234,669	21,038	2,768	1,700	1,068
<b>31 LEATHER &amp; LEATHER PRODUCTS</b>	871,130,820	182,785,638	15,790	11,576	5,239	6,337
311 Leather Tanning & Finishing	244,382,010	28,571,547	22,011	1,298	1,088	210
3111 Leather Tanning & Finishing	244,382,010	28,571,547	22,011	1,298	1,088	210
314 Footwear, Except Rubber	596,073,682	142,824,616	14,966	9,543	3,862	5,681
3142 House Slippers	19,722,573	6,119,757	12,313	497	140	357
3143 Men's Footwear, exc. Athletic	295,425,701	63,623,501	16,160	3,937	1,723	2,214
3144 Women's Footwear, exc. Athletic	181,941,000	44,226,487	14,562	3,037	1,183	1,854
3149 Footwear Except Rubber, NEC	98,984,408	28,854,871	13,926	2,072	816	1,256
<b>39 MISCELLANEOUS</b>	46,187,270	12,136,944	15,480	78405	336	448
391 Jewelry, Silverware & Plated Ware	3,803,008	1,333,718	17,782	75	23	52
394 Toys & Sporting Goods	15,379,022	3,050,976	13,931	219	99	120
3949 Sporting & Athletic Goods, NEC	11,115,973	1,723,342	15,250	113	55	28
395 Pens, Pencils, and Other Materials	13,035,331	3,741,955	14,849	252	83	169
399 Miscellaneous	10,586,315	2,953,719	19,823	149	99	50
3993 Signs and Advertising Displays	7,266,496	2,498,425	24,023	104	81	23
<b>NONDURABLE GOODS TOTAL</b>	7,277,027,978	1,334,290,772	23,586	56,569	35,833	20,736



TABLE 4

## CENSUS OF MAINE MANUFACTURES BY COUNTY, 1989

INDUSTRY	NUMBER REPORTING	VALUE OF PRODUCT			EMPLOYMENT			UNIONIZED WORKERS	WAGES	
		\$	% CHANGE FROM 1984 1988		TOTAL	MALE	FEMALE		GROSS	AVERAGE
<b>TOTAL</b>	2,672	11,305,869,594	20.0	0.4	105,516	72,218	33,298	30,059	\$ 2,476,562,713	\$ 23,470
<b>I-95 CORRIDOR</b>	1,346	7,017,777,180	19.9	2.7	71,639	48,590	22,049	22,037	1,729,238,013	24,138
Androscoggin	196	801,777,970	13.3	2.0	10,064	6,111	3,953	777	197,214,001	19,595
Cumberland	438	1,657,107,280	2.5	-7.6	17,366	11,491	5,875	3,366	440,968,816	25,392
Kennebec	148	709,871,428	17.2	2.6	7,541	4,940	2,601	3,720	177,665,806	23,559
Penobscot	259	1,589,438,200	23.1	1.1	12,108	9,013	3,095	3,984	304,193,914	25,123
Sagadahoc	42	827,965,132	68.0	22.2	11,620	10,053	1,567	8,816	309,853,479	26,665
York	263	1,431,617,170	25.9	9.2	12,940	7,982	4,958	1,374	299,341,997	23,133
<b>EASTERN</b>	241	751,509,014	15.7	-3.2	5,119	3,724	1,395	1,829	126,707,148	24,752
Hancock	147	390,390,027	0.1	-10.2	2,961	2,200	761	1,035	77,574,408	26,198
Washington	94	361,118,987	38.9	5.7	2,158	1,524	634	794	49,132,740	22,767
<b>MIDCOAST</b>	314	399,074,240	5.6	-4.9	5,090	3,046	2,044	530	98,250,600	19,302
Knox	128	243,655,341	24.6	-4.9	2,702	1,672	1,030	400	54,442,223	20,148
Lincoln	95	60,917,599	10.3	-2.9	983	563	420	0	20,147,992	20,496
Waldo	91	94,501,300	-25.8	-6.2	1,405	811	594	130	23,660,385	16,840
<b>NORTHERN</b>	232	767,934,754	7.8	-13.7	6,131	4,466	1,665	1,765	129,233,890	21,078
Aroostook	232	767,934,754	7.8	-13.7	6,131	4,466	1,665	1,765	129,233,890	21,078
<b>WESTERN</b>	536	2,362,947,378	29.3	0.9	17,498	11,354	6,144	3,898	392,313,029	22,420
Franklin	109	611,354,459	20.4	-2.4	4,548	2,843	1,705	1,425	108,423,758	23,839
Oxford	193	607,669,808	18.0	1.5	5,154	3,673	1,481	1,348	120,877,155	23,453
Piscataquis	83	168,597,026	-8.1	-7.8	2,422	1,462	960	72	43,442,018	17,936
Somerset	151	975,326,085	57.0	4.4	5,374	3,376	1,998	1,053	119,570,098	22,249

TABLE 5

## MAINE CAPITAL EXPENDITURES &amp; FOREIGN EXPORTS BY COUNTY, 1989

INDUSTRY	PLANT MODERNIZATION & EQUIPMENT						FOREIGN EXPORTS	
	TOTAL	NEW STRUCTURES	EXISTING STRUCTURES	EQUIPMENT	PLANNED		IMPORTS	EXPORTS
					1990	1991		
	\$	\$	\$	\$	\$	\$	\$	\$
<b>TOTAL</b>	879,198,723	148,919,725	8,223,208	722,055,790	614,994,622	388,157,833	655,211,090	672,132,48
<b>I-95 CORRIDOR</b>	412,467,106	66,762,559	7,147,909	338,556,638	323,958,232	253,480,882	273,128,981	443,426,448
Androscoggin	35,429,597	8,013,892	0	27,415,705	19,929,280	15,577,500	23,990,210	19,656,925
Cumberland	102,190,667	27,391,621	1,676,638	73,122,408	64,058,721	54,794,190	78,330,871	133,237,093
Kennebec	36,876,286	3,938,462	360,000	32,577,824	31,650,558	30,008,288	41,275,504	6,032,551
Penobscot	157,325,924	17,512,657	175,000	139,638,267	143,853,492	89,194,500	110,692,807	123,161,041
Sagadahoc	19,264,809	6,469,955	0	12,794,854	16,379,340	9,891,500	710	974,578
York	61,379,823	3,435,972	4,936,271	53,007,580	48,086,841	54,014,904	18,838,879	160,364,260
<b>EASTERN</b>	155,947,258	8,333,204	543,886	147,070,168	37,738,992	46,381,950	107,428,228	85,103,740
Hancock	102,944,531	6,322,430	515,000	96,107,101	21,476,100	40,486,250	91,276,041	2,570,427
Washington	53,002,727	2,010,774	28,886	50,963,067	16,262,892	5,895,700	16,152,187	82,533,313
<b>MIDCOAST</b>	17,364,012	2,701,266	48,942	14,613,804	20,373,907	13,345,406	35,309,418	43,747,791
Knox	10,851,318	1,406,948	0	9,444,370	15,358,715	9,737,364	33,657,773	35,322,472
Lincoln	3,305,341	661,336	48,942	2,595,063	2,599,092	2,326,542	591,545	7,845,865
Waldo	3,207,353	632,982	0	2,574,371	2,416,100	1,281,500	1,060,100	579,454
<b>NORTHERN</b>	59,670,114	15,412,368	242,173	44,015,573	39,037,099	24,704,925	181,515,298	20,796,508
Aroostook	59,670,114	15,412,368	242,173	44,015,573	39,037,099	24,704,925	181,515,298	20,796,508
<b>WESTERN</b>	233,750,233	55,710,328	240,298	177,799,607	193,886,392	50,244,670	57,629,165	72,550,973
Franklin	6,245,448	2,319,106	0	3,926,342	7,706,575	4,540,100	22,877,501	23,534,524
Oxford	8,088,549	1,282,228	67,680	6,738,641	5,897,748	3,940,069	15,080,913	14,345,341
Piscataquis	7,941,560	1,681,739	0	6,259,821	5,781,374	2,173,434	3,717,746	13,041,855
Somerset	211,474,676	50,427,255	172,618	160,874,803	174,500,695	39,591,067	15,953,005	21,629,253

NOTE: Detail lines may not be equal to the total line due to the presence of "statewide" manufacturers.

Table 6

**CENSUS OF MAINE MANUFACTURES  
BY COUNTY, MAJOR INDUSTRY & MINOR CIVIL DIVISION, 1989**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
<b>ANDROSCOGGIN (01)</b>	\$ 801,777,970	\$ 197,214,001	\$ 19,595	10,064	6,111	3,953
Major Industry						
DURABLE GOODS	181,502,056	56,977,811	23,332	2,442	1,794	648
Lumber & Wood Products (24)	13,895,269	3,655,711	17,575	208	175	33
Stone, Clay, & Glass (32)	17,583,269	5,408,281	20,642	262	229	33
Fabricated Metals (34)	25,852,033	6,190,498	24,961	248	221	27
Nonelectrical Machinery (35)	18,842,112	5,677,500	20,873	272	213	59
Electric & Electronic Eqpt. (36)	58,637,591	18,681,757	26,461	706	383	323
NONDURABLE GOODS	620,275,914	140,236,190	18,398	7,622	4,317	3,305
Food (20)	134,697,814	18,884,727	22,946	823	610	213
Textiles (22)	77,006,144	21,287,560	19,369	1,099	740	359
Apparel (23)	1,564,615	1,098,943	11,447	96	36	60
Paper (26)	112,988,877	19,366,278	23,791	814	562	252
Printing & Publishing (27)	47,603,451	16,580,310	20,829	796	450	346
Rubber & Plastics (30)	156,063,338	35,007,777	18,425	1,900	1,072	828
Leather (31)	85,637,046	26,642,587	13,105	2,033	801	1,232
Minor Civil Division						
Auburn (010)	337,471,817	76,589,806	22,283	3,437	2,218	1,219
Leeds (040)	3,001,948	67,155	11,192	6	3	3
Lewiston (050)	371,197,640	96,927,253	17,382	5,576	3,183	2,393
Lisbon (060)	47,296,167	13,500,847	24,369	554	363	191
Livermore Falls (080)	11,717,922	2,983,012	17,969	166	106	60
Mechanic Falls (090)	10,118,203	2,362,876	26,850	88	68	20
Poland (110)	3,130,470	463,324	24,385	19	19	0
<b>AROOSTOOK (03)</b>	767,934,754	129,200,990	21,087	6,127	4,462	1,665
Major Industry						
DURABLE GOODS	208,926,538	51,385,857	18,132	2,834	2,275	559
Lumber & Wood Products (24)	182,983,762	41,629,397	19,166	2,172	1,962	210
Stone, Clay, & Glass (32)	4,656,219	2,024,709	22,249	91	81	10
Machinery, Except Electrical (35)	1,335,625	437,273	13,250	33	28	5
NONDURABLE GOODS	559,008,216	77,848,033	23,611	3,297	2,191	1,106
Food (20)	102,348,018	21,237,081	18,074	1,175	797	378
Chemicals (28)	13,061,812	2,279,565	13,985	163	54	109
Minor Civil Division						
Allagash Plt. (010)	3,320,343	755,346	14,251	53	48	5
Caribou (080)	12,358,752	6,082,037	14,481	420	158	262
Fort Kent (200)	57,392,689	12,465,772	18,040	691	462	229
Houlton (300)	34,483,632	11,175,915	17,599	635	472	163
Lincoln (380)	186,958	64,839	10,806	6	6	0
Masardis (400)	622,100	148,538	13,503	11	10	1
Portage Lake (520)	5,759,045	1,484,698	17,887	83	77	6
Presque Isle (530)	66,562,973	12,829,311	16,553	775	440	335
Reed Plt. (540)	5,372,074	1,368,122	16,287	84	81	3
St. Francis (560)	5,202,613	957,895	15,703	61	60	1
Sherman (580)	4,418,254	911,584	14,243	64	48	16
Smyrna (590)	4,059,190	493,188	10,274	48	40	8
Van Buren (610)	3,522,384	2,059,795	14,712	140	124	16
Weston (670)	1,802,345	158,333	13,194	12	12	0



Table 6 (Continued)

**CENSUS OF MAINE MANUFACTURES  
BY COUNTY, MAJOR INDUSTRY & MINOR CIVIL DIVISION, 1989**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
<b>CUMBERLAND (05)</b>	\$1,657,107,280	\$440,968,816	\$ 25,392	17,366	11,491	5,875
Major Industry						
DURABLE GOODS	633,523,443	202,833,740	25,134	8,070	5,472	2,598
Lumber & Wood Products (24)	76,017,948	20,060,534	19,842	1,011	790	221
Furniture & Fixtures (25)	2,303,438	627,501	16,959	37	30	7
Stone, Clay, & Glass (32)	15,380,575	3,434,100	21,463	160	149	11
Primary Metals (33)	1,878,842	643,143	18,375	35	29	6
Fabricated Metals (34)	58,212,303	17,022,602	28,754	592	492	100
Nonelectrical Machinery (35)	191,649,841	56,213,709	26,717	2,104	1,596	508
Electric & Electronic Eqpt. (36)	246,333,893	90,802,207	25,988	3,494	1,997	1,497
Transportation Equipment (37)	16,422,234	6,792,242	18,972	358	262	96
Measuring Instruments (38)	25,324,369	7,237,702	25,941	279	127	152
NONDURABLE GOODS	1,023,583,837	238,135,076	25,616	9,296	6,019	3,277
Food (20)	331,650,356	43,819,115	22,086	1,984	1,491	493
Chemicals & Allied Products (28)	20,057,269	6,538,869	27,943	234	112	122
Petroleum & Related Inds. (29)	1,972,700	292,195	24,349	12	11	1
Leather (31)	115,126,552	29,901,265	18,089	1,653	683	970
Minor Civil Division						
Baldwin (010)	5,684,540	1,366,205	18,975	72	69	3
Bridgton (020)	56,685,128	11,151,253	16,398	680	320	360
Brunswick (030)	57,233,915	13,054,751	18,947	689	327	362
Casco (050)	20,909,277	6,778,910	22,009	308	244	64
Falmouth (070)	2,255,143	743,961	18,599	40	24	16
Freeport (080)	65,081,489	15,635,110	17,050	917	421	496
Gorham (090)	43,999,942	16,718,200	23,284	718	569	149
Gray (100)	40,181,714	2,190,870	14,413	152	92	90
Harpswell (110)	365,346	28,773	14,386	2	1	1
Naples (130)	1,732,048	355,653	14,226	25	20	5
New Gloucester (140)	4,360,960	992,416	20,253	49	46	3
Portland (170)	514,396,644	111,454,069	23,638	4,715	3,287	1,428
Raymond (190)	25,820,837	8,542,848	24,833	344	287	57
Scarborough (200)	69,340,736	19,705,831	22,241	886	628	258
South Portland (220)	132,730,117	64,789,387	27,758	2,334	1,333	1,001
Westbrook (240)	463,868,701	139,237,892	32,792	4,246	3,118	1,128
Windham (250)	14,605,494	6,436,802	26,488	243	187	56
Yarmouth (260)	31,738,932	7,487,746	22,485	333	191	142
<b>FRANKLIN (07)</b>	611,354,459	108,423,758	23,839	4,548	2,843	1,705
Major Industry						
DURABLE GOODS	47,666,116	17,717,177	15,487	1,144	722	422
Lumber & Wood Products (24)	43,721,101	16,387,986	15,607	1,050	679	371
Machinery, Except Electrical (35)	601,328	362,521	12,947	28	12	16
NONDURABLE GOODS	563,688,343	90,706,581	26,647	3,404	2,121	1,283
Minor Civil Division						
Farmington (070)	23,247,492	6,118,215	11,949	512	267	245
Strong (180)	13,197,633	4,099,485	15,646	262	172	90
Wilton (210)	85,469,451	25,824,123	16,596	1,556	646	910
<b>HANCOCK (09)</b>	390,390,027	77,574,408	26,198	2,961	2,200	761
Minor Civil Division						
Ellsworth (130)	24,468,339	5,064,499	15,926	318	179	139
Southwest Harbor (280)	23,893,136	8,190,785	22,879	358	286	72

Table 6 (Continued)

**CENSUS OF MAINE MANUFACTURES  
BY COUNTY, MAJOR INDUSTRY & MINOR CIVIL DIVISION, 1989**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
<b>KENNEBEC (11)</b>	\$ 709,871,428	\$ 177,665,806	\$ 23,559	7,541	4,940	2,601
Major Industry						
DURABLE GOODS	198,348,332	54,073,917	26,442	2,045	1,449	596
Fabricated Metals (34)	36,338,515	9,234,304	22,038	419	334	85
Nonelectrical Machinery (35)	30,869,757	10,253,811	30,069	341	314	27
NONDURABLE GOODS	511,523,096	123,591,889	22,487	5,496	3,491	2,005
Textiles (22)	90,272,439	22,484,093	18,926	1,188	776	412
Paper (26)	299,908,352	67,707,895	27,389	2,472	1,940	532
Printing & Publishing (27)	35,551,781	12,638,238	21,715	582	358	224
<b>KENNEBEC (11) (continued)</b>						
Minor Civil Division						
Albion (010)	511,740	109,844	13,730	8	8	0
Augusta (020)	292,722,201	57,207,042	26,205	2,183	1,483	700
Clinton (070)	10,841,663	3,533,678	19,964	177	154	23
Gardiner (100)	44,806,679	5,067,109	20,349	249	180	69
Hallowell (110)	4,229,048	1,596,641	19,471	82	48	34
Monmouth (140)	35,235,119	7,006,552	19,462	360	283	77
Waterville (240)	120,871,250	43,079,700	21,211	2,031	997	1,034
Windsor (270)	152,816	25,758	12,879	2	2	0
Winslow (280)	136,376,917	34,753,054	29,627	1,173	936	237
<b>KNOX (13)</b>	243,655,341	54,442,223	20,148	2,702	1,672	1,030
Major Industry						
DURABLE GOODS	88,157,845	24,943,176	22,171	1,125	867	258
Lumber & Wood Products (24)	2,949,351	331,262	12,268	27	23	4
Fabricated Metals (34)	8,103,515	2,549,721	17,584	145	109	36
Machinery, Except Electrical (35)	22,050,148	4,919,519	26,167	188	171	11
Electric & Electronic Eqpt. (36)	3,160,915	1,400,226	18,669	75	31	44
Transportation Equipment (37)	18,578,660	6,107,192	20,089	304	263	41
NONDURABLE GOODS	155,497,496	29,499,047	18,705	1,577	805	772
Food (20)	38,176,858	7,161,016	14,096	508	244	264
Textiles (22)	28,981,790	5,860,197	20,000	293	168	125
Apparel (23)	6,522,659	3,449,958	15,898	217	70	147
Printing & Publishing (27)	14,782,979	4,374,046	18,455	237	89	148
Minor Civil Division						
Camden (020)	20,840,214	7,436,202	18,360	405	222	183
Rockland (100)	148,033,170	28,786,777	19,556	1,472	885	587
Rockport (110)	5,921,584	2,074,063	24,117	86	42	44
St. George (120)	982,879	115,416	10,492	11	8	3
Thomaston (140)	27,217,795	7,784,886	29,941	260	226	34
Union (150)	2,218,386	812,430	15,328	53	36	17
Warren (170)	26,458,689	5,010,810	21,053	238	153	85
<b>LINCOLN (15)</b>	60,917,599	20,147,992	20,496	983	563	420
Major Industry						
DURABLE GOODS	45,800,751	15,147,429	22,709	667	403	264
Lumber & Wood Products (24)	1,905,694	668,567	13,928	48	35	13
Nonelectrical Machinery (35)	5,642,981	2,317,913	22,075	105	78	27
Transportation Equipment (37)	8,012,477	3,415,995	20,094	170	150	20
Transportation Equipment (37)	8,012,477	3,415,995	20,094	170	150	20

Table 6 (Continued)

**CENSUS OF MAINE MANUFACTURES  
BY COUNTY, MAJOR INDUSTRY & MINOR CIVIL DIVISION, 1989**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
<b>LINCOLN (15)</b> (continued)						
Major Industry (continued)						
NONDURABLE GOODS	\$ 15,116,848	\$ 5,000,563	\$ 15,824	316	160	156
Food (20)	4,573,706	639,694	10,486	61	24	37
Printing & Publishing (27)	3,992,871	1,181,398	16,408	72	27	45
Chemicals & Allied Products (28)	1,011,566	272,721	18,181	15	10	5
Minor Civil Division						
Boothbay (020)	7,783,204	3,233,022	21,269	152	122	30
Boothbay Harbor (030)	1,128,370	765,449	14,174	54	30	24
Bristol (050)	9,421,298	1,929,325	18,551	104	61	43
Edgecomb (080)	1,195,429	139,980	15,553	9	7	2
Newcastle (110)	161,482	104,172	14,881	7	5	2
South Bristol (140)	273,039	77,084	8,564	9	6	3
Waldoboro (160)	29,015,636	8,908,515	23,819	374	140	234
Whitefield (180)	6,067,607	3,340,418	21,141	158	124	34
Wiscasset (190)	1,614,100	457,250	15,767	29	15	14
<b>OXFORD (17)</b>	607,669,808	120,877,155	23,453	5,154	3,673	1,481
Major Industry						
DURABLE GOODS	145,315,589	41,802,096	17,410	2,401	1,701	700
Lumber & Wood Products (24)	113,689,282	30,320,220	16,460	1,842	1,348	494
Fabricated Metals (34)	4,265,549	1,368,938	22,441	61	43	18
Nonelectrical Machinery (35)	14,455,048	6,198,460	27,548	225	210	15
Transportation Eqpt. (37)	3,398,406	50,305	16,768	3	3	0
NONDURABLE GOODS	462,354,219	79,075,059	28,723	2,753	1,972	781
Minor Civil Division						
Bethel (020)	15,145,590	5,796,779	15,499	374	220	154
Fryeburg (090)	17,297,203	8,404,944	19,189	438	268	170
Norway (210)	38,740,006	11,842,674	14,766	802	431	371
Oxford (220)	60,484,964	15,732,387	17,175	916	574	342
<b>PENOBSCOT (19)</b>	1,589,438,200	304,193,914	25,123	12,108	9,013	3,095
Major Industry						
DURABLE GOODS	350,912,334	74,917,125	21,103	3,550	2,756	794
Lumber & Wood Products (24)	164,324,538	32,011,885	19,354	1,654	1,418	236
Stone, Clay, & Glass (32)	12,487,964	5,139,853	25,828	199	186	13
Fabricated Metal Products (34)	5,963,044	1,850,286	20,332	91	77	14
Nonelectrical Machinery (35)	92,982,452	17,261,721	27,976	617	566	51
Electric & Electronic Eqpt. (36)	35,979,753	9,844,335	19,688	500	214	286
Transportation Equipment (37)	36,443,384	7,749,222	19,421	399	250	149
NONDURABLE GOODS	1,238,525,866	229,276,789	26,790	8,558	6,257	2,301
Food (20)	70,373,819	8,631,492	21,471	402	306	96
Textiles (22)	34,151,515	12,126,370	16,498	735	454	281
Apparel (23)	463,715	125,971	15,746	8	5	3
Paper (26)	863,230,450	149,095,977	35,575	4,191	3,826	365
Printing & Publishing (27)	35,436,443	14,404,912	25,677	561	360	201
Leather (31)	184,766,529	38,372,567	15,862	2,419	1,089	1,330

Table 6 (Continued)

**CENSUS OF MAINE MANUFACTURES  
BY COUNTY, MAJOR INDUSTRY & MINOR CIVIL DIVISION, 1989**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
<b>PENOBSCOT (19) (Continued)</b>						
<u>Minor Civil Division</u>						
Bangor (020)	\$ 210,819,318	\$ 48,659,632	\$ 22,996	2,116	1,359	757
Brewer (050)	141,992,829	22,522,696	24,534	918	735	183
Carmel (070)	814,538	119,352	9,946	12	12	0
East Millinocket (130)	2,303,680	510,821	17,027	30	24	6
Enfield (200)	4,516,278	834,478	18,140	46	43	3
Greenbush (260)	4,358,302	591,486	13,755	43	37	6
Hampden (280)	16,406,926	5,773,700	22,206	260	195	65
Holden (300)	363,730	177,921	17,792	10	10	0
Howland (310)	4,164,956	563,413	11,737	48	37	11
LaGrange (340)	537,820	132,600	12,054	11	11	0
Lee (360)	2,060,915	969,169	15,143	64	58	6
Medway (420)	2,585,690	61,063	7,632	8	8	0
Newport (470)	61,245,242	10,609,675	17,831	595	324	271
Old Town (480)	279,119,073	37,164,961	26,246	1,416	1,092	324
Orono (490)	13,378,212	2,639,780	16,096	164	116	48
Patten (520)	2,903,747	1,137,367	12,229	93	60	33
Winn (610)	13,174,428	2,030,783	16,783	121	113	8
<b>PISCATAQUIS (21)</b>	168,597,026	43,442,018	17,936	2,422	1,462	960
<u>Major Industry</u>						
DURABLE GOODS	80,740,108	21,667,218	18,101	1,197	851	346
Lumber & Wood Products (24)	69,343,253	16,415,763	17,575	934	657	277
Stone, Clay, & Glass Prods. (32)	1,506,700	635,566	19,259	33	26	7
NONDURABLE GOODS	87,856,918	21,774,800	17,775	1,225	611	614
Printing & Publishing (27)	614,129	175,096	11,673	15	5	20
<u>Minor Civil Division</u>						
Brownville (060)	3,161,785	263,017	21,918	12	11	1
Dover-Foxcroft (070)	7,827,566	2,529,408	15,613	162	123	39
Greenville (090)	21,608,216	3,928,057	21,348	184	170	14
Gulfport (100)	79,849,471	26,574,999	18,403	1,444	828	616
Sangerville (170)	2,626,486	1,042,806	26,070	40	35	5
<b>SOMERSET (25)</b>	975,326,085	119,570,098	22,249	5,374	3,376	1,998
<u>Major Industry</u>						
DURABLE GOODS	194,370,234	34,312,880	17,479	1,963	1,398	565
Lumber & Wood Products (24)	142,795,110	23,687,593	17,837	1,328	1,069	259
Nonelectric Machinery (35)	4,180,724	484,191	19,367	25	22	3
NONDURABLE GOODS	780,955,851	85,257,218	24,994	3,411	1,978	1,433
Food (20)	8,889,865	948,861	16,943	56	36	20
Textiles (22)	2,801,850	1,053,419	15,048	70	39	31
Apparel (23)	11,773,963	4,319,453	14,208	304	65	239
Paper (26)	627,312,449	54,426,935	42,487	1,281	1,087	194
Printing & Publishing (27)	1,121,017	243,918	13,551	18	9	9
Leather (31)	127,884,897	23,976,121	14,408	1,664	730	934
<u>Minor Civil Division</u>						
Somerset, County-Wide	3,687,974	799,682	21,044	38	36	2
Anson (010)	25,293,794	6,814,760	18,172	375	318	57
Bingham (030)	5,415,903	963,043	12,190	79	65	14
Canaan (060)	1,079,929	34,907	5,817	6	5	1
Detroit (100)	7,612,820	932,113	16,070	58	45	13
Fairfield (120)	66,904,462	6,475,340	30,688	211	177	34
Harmony (130)	7,118,536	1,606,325	13,386	120	22	98
Jackman (160)	39,390,260	7,326,864	26,450	277	266	11
Pittsfield (240)	69,124,569	15,585,690	15,161	1,028	423	605
Skowhegan (280)	515,560,294	48,261,837	27,530	1,753	1,904	706



Table 6 (Continued)

**CENSUS OF MAINE MANUFACTURES  
BY COUNTY, MAJOR INDUSTRY & MINOR CIVIL DIVISION, 1989**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
<b>WALDO (27)</b>	\$ 94,501,300	\$ 23,660,385	\$ 16,840	1,405	811	594
Major Industry						
DURABLE GOODS	29,440,249	8,992,581	17,194	523	397	126
Lumber & Wood Products (24)	16,500,941	4,695,871	19,011	247	187	60
Stone, Clay, & Glass (32)	1,854,000	602,568	15,450	39	31	8
Transportation Equipment (37)	1,834,197	582,631	15,332	38	31	7
NONDURABLE GOODS	65,061,051	14,667,804	16,630	882	414	468
Food (20)	26,800,797	5,308,958	13,508	393	156	237
Textiles (22)	16,080,638	2,539,639	19,840	128	61	67
Printing & Publishing (27)	10,271,608	2,578,228	16,013	161	92	69
Minor Civil Division						
Belfast (010)	49,008,399	11,511,938	15,349	750	335	415
Brooks (030)	515,679	153,080	9,004	17	8	9
Lincolntonville (110)	3,853,479	738,703	13,937	53	28	25
Stockton Springs (200)	639,000	304,525	11,278	27	16	11
Unity (240)	4,463,097	653,564	14,523	45	23	22
<b>WASHINGTON (29)</b>	361,118,987	49,132,740	22,767	2,158	1,524	634
Major Industry						
DURABLE GOODS	76,051,956	18,576,734	24,125	770	624	146
Lumber & Wood Products (24)	70,929,938	16,453,314	27,105	607	539	68
Stone, Clay, & Glass (32)	2,453,823	852,115	11,515	74	47	27
NONDURABLE GOODS	285,067,031	30,556,006	22,014	1,388	900	488
Food (20)	44,222,967	6,658,483	12,445	535	261	274
Minor Civil Division						
Baileyville (030)	274,144,608	33,382,058	33,084	1,009	857	152
Calais (070)	3,307,457	635,516	14,443	44	26	18
Cherryfield (100)	17,670,198	2,435,965	15,715	155	95	60
Danforth (170)	3,903,746	643,254	12,865	50	46	4
East Machias (200)	8,633,215	788,330	13,591	58	35	23
Lubec (260)	4,803,246	1,360,687	9,515	143	70	73
Machiasport (280)	436,430	58,270	11,654	5	4	1
Princeton (370)	2,923,225	554,163	24,094	23	23	0
Waite (440)	3,082,118	130,229	7,660	17	17	0
<b>YORK (31)</b>	1,431,617,170	299,341,997	23,133	12,940	7,982	4,958
Major Industry						
DURABLE GOODS	878,796,160	199,528,892	24,560	8,124	5,153	2,971
Lumber & Wood Products (24)	30,554,793	6,848,146	20,201	339	291	48
Stone, Clay, & Glass (32)	37,880,711	10,435,326	25,084	416	357	59
Fabricated Metals (34)	67,806,863	30,406,489	26,625	1,142	877	265
Nonelectrical Machinery (35)	40,172,295	11,023,806	26,627	414	338	76
Electric & Electronic Eqpt. (36)	210,577,313	53,285,937	20,653	2,580	786	1,794
NONDURABLE GOODS	552,821,010	99,813,105	20,725	4,816	2,829	1,987
Textiles (22)	55,852,788	14,462,783	17,789	813	420	393
Apparel (23)	70,891,504	13,166,257	17,601	748	279	469
Paper (26)	8,052,536	2,064,432	24,576	84	47	37
Printing & Publishing (27)	64,241,838	14,959,220	18,582	805	469	336
Chemicals (28)	23,070,170	3,198,398	34,025	94	73	21
Rubber & Plastics (30)	137,224,653	28,112,399	23,544	1,194	739	455
Leather (31)	185,237,137	22,522,760	22,658	994	750	244

Table 6 (Continued)

**CENSUS OF MAINE MANUFACTURES  
BY COUNTY, MAJOR INDUSTRY & MINOR CIVIL DIVISION, 1989**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
YORK (31) (continued)						
Minor Civil Division						
Arundel (030)	\$ 1,066,488	\$ 284,038	\$ 20,288	14	13	1
Biddeford (050)	238,810,116	66,959,689	20,653	3,242	1,768	1,474
Buxton (060)	443,578	249,419	24,491	10	8	2
Cornish (070)	2,093,011	794,585	10,455	76	6	70
Dayton (080)	247,721	61,778	15,444	4	4	0
Kennebunk (110)	89,272,285	14,401,477	21,754	662	265	397
Kennebunkport (120)	1,217,770	453,932	14,185	32	14	18
Kittery (130)	32,301,980	8,220,380	26,603	309	191	118
Limerick (150)	2,557,041	967,098	19,736	49	39	10
Parsonsfield (210)	22,592,354	5,444,648	18,028	302	166	136
Saco (220)	78,867,705	29,830,131	26,562	1,123	845	278
Sanford (230)	290,221,926	70,257,265	21,130	3,325	1,632	1,693
Waterboro (260)	2,631,339	934,276	19,464	48	37	11
York (280)	6,426,225	1,410,665	17,633	80	25	55

TABLE 7

## CENSUS OF MAINE MANUFACTURES BY ECONOMIC AREA, 1989

AREA	NUMBER REPORTING	VALUE OF PRODUCT			EMPLOYMENT			UNIONIZED WORKERS	WAGES	
		\$	% CHANGE FROM		TOTAL	MALE	FEMALE		GROSS	AVERAGE
			1984	1988						
Augusta (19)	108	428,733,200	15.7	16.6	4,150	2,708	1,442	1,405	\$ 94,585,559	\$ 22,791
Bangor (12)	139	743,888,672	47.3	7.5	5,468	4,039	1,429	1,576	129,348,232	23,655
Bar Harbor - Southwest Harbor (09)	69	47,237,150	45.8	-6.2	860	550	310	35	15,572,343	18,107
Belfast (16)	74	80,983,811	-31.0	-8.2	1,183	651	532	130	19,767,569	16,709
Biddeford - Sanford (29)	184	713,382,093	1.7	8.5	8,594	4,694	3,900	1,374	186,455,548	21,696
Blue Hill - Stonington (10)	40	17,997,650	70.1	-1.5	339	178	161	0	4,994,697	14,733
Bridgton (28)	92	134,210,058	25.1	15.5	1,990	1,176	814	251	36,023,992	18,102
Brunswick - Bath (24)	-	-	-	-	-	-	-	-	-	-
Calais - Baileyville (05)	21	280,672,404	17.4	12.1	1,089	912	177	794	34,712,349	31,875
Dexter (15)	40	223,595,548	9.2	0.6	2,805	1,559	1,246	48	47,483,994	16,928
Dover Foxcroft - Guilford (14)	78	161,256,853	-8.8	-7.5	2,344	1,409	935	39	42,117,782	17,968
Eastport (06)	19	21,055,820	38.3	-10.1	422	248	174	0	5,981,764	14,174
Ellsworth - Bucksport (11)	-	-	-	-	-	-	-	-	-	-
Farmington - Jay (22)	106	609,092,856	18.0	-2.5	4,606	2,837	1,769	1,425	109,063,297	23,678
Houlton (03)	55	47,402,299	-29.7	-25.7	917	708	209	106	16,025,451	17,475
Jonesport - Cherryfield (08)	16	23,704,435	-5.7	-32.7	370	189	181	0	4,745,708	12,826
Kittery (30)	63	693,147,290	69.3	9.8	3,963	3,112	851	0	106,592,761	26,896
Lewiston (23)	194	795,029,219	15.0	2.2	9,953	6,055	3,898	777	195,369,177	19,629
Lincoln (13)	62	168,217,328	25.7	-6.6	1,192	1,073	119	532	29,660,328	24,882
Machias - Whitneyville (07)	22	26,548,371	205.3	-3.6	207	109	98	0	2,856,340	13,798
Madawaska (01)	65	456,334,155	16.8	4.4	2,193	1,699	494	1,174	60,824,122	27,736
Millinocket (04)	-	-	-	-	-	-	-	-	-	-
Paris - Norway (27)	87	135,001,772	-8.5	-2.6	2,338	1,411	927	104	38,503,468	16,468
Portland (25)	342	1,442,990,651	-1.1	-9.2	14,603	10,024	4,579	2,935	391,118,699	26,783
Presque Isle (02)	64	201,287,115	4.4	-4.9	2,410	1,483	927	274	40,710,256	16,892
Rockland (17)	130	243,752,769	24.7	-4.9	2,703	1,673	1,030	400	54,452,770	20,145
Rumford (26)	-	-	-	-	-	-	-	-	-	-
Skowhegan (21)	101	850,458,272	168.7	115.2	4,664	2,781	1,883	890	102,642,521	22,007
Waldoboro (18)	81	54,419,720	2.0	-3.7	818	434	384	0	16,737,562	20,461
Waterville (20)	76	376,450,755	-25.4	-54.4	4,130	2,674	1,456	2,335	98,705,726	23,899

NOTE: The total of the economic areas may not be equal to the total for the state due to the presence of nonclassifiable establishments and nondisclosable economic areas.

TABLE 8

## MAINE CAPITAL EXPENDITURES BY ECONOMIC AREA, 1989

AREA	PLANT MODERNIZATION & EQUIPMENT						FOREIGN EXPORTS	
	TOTAL	NEW STRUCTURES	EXISTING STRUCTURES	EQUIPMENT	PLANNED		IMPORTS	EXPORTS
					1990	1991		
	\$	\$	\$	\$	\$	\$	\$	\$
Augusta (19)	16,746,061	1,895,938	360,000	14,490,123	10,545,421	10,938,908	25,417,237	3,838,337
Bangor (12)	51,466,833	9,867,349	43,000	41,556,484	35,393,175	9,564,500	32,951,722	44,981,724
Bar Harbor - Southwest Harbor (09)	5,356,988	975,908	515,000	3,866,080	1,634,350	1,343,500	172,425	106,045
Belfast (16)	2,941,300	520,094	0	2,421,206	2,202,100	1,075,500	1,060,100	564,454
Biddeford - Sanford (29)	36,685,141	2,563,343	3,872,250	30,249,548	31,986,709	28,954,404	15,897,214	56,473,064
Blue Hill - Stonington (10)	396,303	246,502	0	149,801	144,000	72,000	1,340,016	873,936
Bridgton (28)	3,368,919	440,942	163,960	2,764,017	3,285,883	1,084,800	2,426,809	6,244,551
Brunswick - Bath (24)	-	-	-	-	-	-	-	-
Calais - Baileyville (05)	40,521,975	953,919	0	39,568,056	11,273,592	4,884,500	11,546,406	78,887,968
Dexter (15)	1,470,385	125,681	89,000	1,255,704	326,500	322,000	9,691,040	2,883,140
Dover Foxcroft - Guilford (14)	7,196,312	1,676,739	0	5,519,573	5,631,374	2,073,434	3,699,746	7,821,129
Eastport (06)	7,093,072	685,649	15,000	6,392,423	2,999,600	105,000	1,856,743	40,000
Ellsworth - Bucksport (11)	-	-	-	-	-	-	-	-
Farmington - Jay (22)	4,971,965	2,412,652	0	2,559,313	7,387,075	4,389,100	32,855,603	20,120,702
Houlton (03)	2,319,230	68,500	6,000	2,244,730	4,004,652	1,272,925	6,593,031	3,423,553
Jonesport - Cherryfield (08)	328,635	35,433	13,886	279,316	670,700	580,000	821,857	2,961,000
Kittery (30)	24,009,461	666,694	1,064,021	22,278,746	15,435,132	24,675,500	1,435,500	103,640,772
Lewiston (23)	35,282,550	7,922,346	0	27,360,204	18,929,780	15,578,000	14,012,108	19,653,104
Lincoln (13)	19,889,194	1,571,656	43,000	18,274,538	20,258,000	16,168,000	7,063,584	5,457,155
Machias - Whitneyville (07)	3,738,875	334,273	0	3,404,602	1,134,000	311,200	1,927,181	644,345
Madawaska (01)	48,090,343	11,715,474	20,000	36,354,869	21,844,393	21,806,000	169,105,269	7,603,923
Millinocket (04)	-	-	-	-	-	-	-	-
Paris - Norway (27)	3,772,442	798,710	40,000	2,933,732	3,043,650	2,626,000	3,948,886	2,036,890
Portland (25)	97,869,246	26,854,427	615,178	70,399,641	60,855,458	53,063,890	76,246,227	125,926,187
Presque Isle (02)	6,337,554	3,586,713	206,173	2,544,668	10,967,054	1,081,000	5,269,075	3,590,100
Rockland (17)	10,851,318	1,406,948	0	9,444,370	15,358,715	9,737,364	33,657,773	35,322,472
Rumford (26)	-	-	-	-	-	-	-	-
Skowhegan (21)	208,052,165	50,313,722	160,618	157,577,825	169,899,855	34,133,483	14,471,245	9,445,320
Waldoboro (18)	3,105,341	606,336	48,942	2,450,063	2,474,092	2,326,542	591,545	7,845,865
Waterville (20)	21,831,745	2,171,756	0	19,659,989	24,421,345	22,566,964	16,466,705	9,086,551

NOTE: The total of these economic areas may not be equal to the total for the state due to the presence of nonclassifiable establishments and nondisclosable economic areas.



Table 9

**CENSUS OF MAINE MANUFACTURES  
BY ECONOMIC AREA & MAJOR INDUSTRY, 1989**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
<b>AUGUSTA (19)</b>	\$ 428,733,200	\$ 94,585,559	\$ 22,791	4,150	2,708	1,442
DURABLE GOODS	155,954,263	40,205,062	25,922	1,551	921	630
Fabricated Metals (34)	28,948,351	6,945,729	22,478	309	239	70
NONDURABLE GOODS	272,778,937	54,380,497	20,923	2,599	1,787	812
Food (20)	36,076,431	4,120,212	22,271	185	148	37
Textiles (22)	76,764,870	19,657,559	19,011	1,034	690	344
Printing & Publishing (27)	22,213,635	7,161,418	21,062	340	206	134
<b>BANGOR (12)</b>	743,888,672	129,348,232	23,655	5,468	4,039	1,429
DURABLE GOODS	220,984,189	46,967,955	22,081	2,127	1,572	555
Lumber & Wood Products (24)	50,550,148	8,941,485	19,565	457	411	46
Stone, Clay & Glass (32)	10,858,536	4,387,173	27,249	161	154	7
Electric & Electronic Eqpt. (36)	35,979,753	9,844,335	19,688	500	214	286
Transportation Equipment (37)	36,443,384	7,749,222	19,421	399	250	149
NONDURABLE GOODS	522,904,483	82,380,277	24,657	3,341	2,467	874
Food (20)	45,895,999	6,992,468	21,253	329	244	85
Petroleum & Coal Products (29)	15,750,990	3,977,329	27,056	147	141	6
Leather (31)	49,904,450	11,978,220	14,431	830	355	475
<b>BAR HARBOR - SO. WEST HARBOR (09)</b>	47,237,150	15,572,343	18,107	860	550	310
DURABLE GOODS	34,323,483	11,912,747	20,328	586	437	149
Lumber & Wood Products (24)	3,371,478	575,651	13,387	43	38	5
Fabricated Metals (34)	6,318,756	1,839,567	22,163	83	76	7
Transportation Equipment (37)	21,585,798	8,233,192	22,680	363	293	70
NONDURABLE GOODS	12,913,667	3,659,596	13,356	274	113	161
Food (20)	9,270,700	2,706,241	13,397	202	91	111
Printing & Publishing (27)	1,847,213	586,069	13,319	44	14	30
<b>BELFAST (16)</b>	80,983,811	19,767,569	16,709	1,183	651	532
DURABLE GOODS	21,535,656	6,424,197	17,697	363	275	88
Lumber & Wood Products (24)	15,719,828	4,583,405	19,177	239	179	60
Nonelectrical Machinery (35)	1,319,308	470,697	16,810	28	24	4
Transportation Equipment (37)	1,834,197	582,631	15,332	38	31	7
NONDURABLE GOODS	59,448,155	13,343,372	16,272	820	376	444
Food (20)	26,048,997	5,100,598	13,565	376	149	227
Textiles (22)	12,397,541	2,098,011	20,772	101	46	55
Printing & Publishing (27)	10,271,608	2,578,228	16,013	161	92	69
<b>BIDDEFORD - SANFORD (29)</b>	713,382,093	186,455,548	21,696	8,594	4,694	3,900
DURABLE GOODS	406,925,518	119,826,463	22,583	5,306	2,952	2,354
Furniture (25)	4,766,242	1,408,061	18,527	76	51	25
Stone, Clay, & Glass (32)	35,784,604	9,941,341	25,296	393	338	55
Fabricated Metals (34)	47,8323,863	25,037,962	26,893	931	770	161
Nonelectrical Machinery (35)	37,853,354	10,148,429	26,706	380	309	71
Electric & Electronic Eqpt. (36)	201,818,211	50,873,750	20,901	2,434	724	1,710
Transportation Equipment (37)	38,923,045	12,560,304	19,353	649	382	267
NONDURABLE GOODS	306,456,575	66,629,085	20,264	3,288	1,742	1,546
Textiles (22)	45,578,893	12,090,004	17,420	694	348	346
Apparel (23)	68,995,652	12,362,666	18,369	673	272	401
Paper (26)	8,052,536	2,064,432	24,576	84	47	37
Printing & Publishing (27)	15,865,691	5,330,624	16,658	320	138	182
Rubber & Plastics (30)	137,224,653	28,112,399	23,544	1,194	739	453
Leather (31)	10,616,905	3,691,365	19,027	194	118	76

Table 9 (Continued)

**CENSUS OF MAINE MANUFACTURES  
BY ECONOMIC AREA & MAJOR INDUSTRY, 1989**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
<b>BLUE HILL - STONINGTON (10)</b>	\$ 17,997,650	\$ 4,994,697	\$ 14,733	339	178	161
DURABLE GOODS	8,003,336	2,071,235	17,552	118	98	20
Stone, Clay & Glass (32)	252,363	118,688	13,187	9	4	5
Transportation Equipment (37)	7,294,200	1,864,567	18,645	100	88	12
NONDURABLE GOODS	9,994,314	2,923,462	13,228	221	80	141
Food (20)	4,666,591	1,090,386	9,912	110	47	63
Printing & Publishing (27)	4,567,042	1,584,938	17,610	90	24	66
<b>BRIDGTON (28)</b>	134,210,058	36,023,992	18,102	1,990	1,176	814
DURABLE GOODS	71,670,539	23,883,414	19,820	1,205	873	332
Lumber & Wood Products (24)	31,882,179	9,511,422	18,116	525	400	125
Nonelectrical Machinery (35)	16,120,575	6,577,694	25,694	256	219	37
NONDURABLE GOODS	62,539,519	12,140,578	15,465	785	303	482
Apparel (23)	1,821,220	1,097,370	10,758	102	11	91
Printing & Publishing (27)	1,501,000	438,307	14,610	30	11	19
<b>DEXTER (15)</b>	223,595,548	47,483,994	16,928	2,805	1,559	1,246
DURABLE GOODS	32,505,121	7,744,838	18,572	417	326	91
Lumber & Wood Products (24)	17,456,469	3,132,354	18,317	171	131	40
NONDURABLE GOODS	191,090,427	39,739,156	16,641	2,388	1,233	1,155
<b>DOVER-FOXCROFT - GUILFORD (14)</b>	161,256,853	42,117,782	17,968	2,344	1,409	935
DURABLE GOODS	73,905,377	20,528,938	17,882	1,148	805	343
Lumber & Wood Products (24)	62,508,522	15,277,483	17,262	885	611	274
Furniture (25)	8,202,567	3,756,679	18,236	206	147	59
NONDURABLE GOODS	73,905,377	20,528,938	17,882	1,148	805	343
<b>EASTPORT (06)</b>	21,055,820	5,981,764	14,174	422	248	174
DURABLE GOODS	2,852,182	645,939	15,021	43	27	16
NONDURABLE GOODS	18,203,638	5,335,825	14,078	379	221	158
Food (20)	5,065,528	1,439,970	9,536	151	76	75
<b>FARMINGTON - JAY (22)</b>	609,092,856	109,063,297	23,678	4,606	2,837	1,769
DURABLE GOODS	39,494,473	16,760,225	15,126	1,108	668	440
Furniture (25)	1,338,689	453,916	9,867	46	17	29
Nonelectric Machinery (35)	601,328	362,521	12,947	28	12	16
Stone, Clay & Glass (32)	1,141,616	176,772	29,462	6	6	0
NONDURABLE GOODS	569,598,383	92,303,072	26,387	3,498	2,169	1,329
<b>HOULTON (03)</b>	47,402,299	16,025,451	17,475	917	708	209
DURABLE GOODS	35,042,122	10,995,051	17,046	645	539	106
Lumber & Wood Products (24)	22,803,181	8,446,379	17,781	475	414	61
NONDURABLE GOODS	12,360,177	5,030,400	18,494	272	169	103
Food (20)	9,548,370	4,285,118	22,202	193	148	45
<b>JONESPORT - CHERRYFIELD (08)</b>	23,704,435	4,745,708	12,826	370	189	181
DURABLE GOODS	3,125,403	1,430,056	11,917	120	58	62
NONDURABLE GOODS	20,579,032	3,315,652	13,262	250	131	119
Food (20)	20,076,120	3,172,888	13,111	242	125	117
<b>KITTERY (30)</b>	693,147,290	106,592,761	26,896	3,963	3,112	851
DURABLE GOODS	459,024,761	76,576,105	29,116	2,630	2,103	527
Lumber & Wood Products (24)	3,716,214	839,442	15,262	55	46	9

Table 9 (Continued)

**CENSUS OF MAINE MANUFACTURES  
BY ECONOMIC AREA & MAJOR INDUSTRY, 1989**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
<b>KITTERY (30) (Continued)</b>						
Nonelectric Machinery (35)	\$ 2,318,941	\$ 875,377	\$ 25,746	34	29	5
<b>NONDURABLE GOODS</b>	<b>234,122,529</b>	<b>30,016,656</b>	<b>22,518</b>	<b>1,333</b>	<b>1,009</b>	<b>324</b>
Apparel (23)	315,079	46,305	7,717	6	2	4
Miscellaneous (39)	102,858	9,932	4,966	2	0	2
<b>LEWISTON (23)</b>	<b>795,029,219</b>	<b>195,369,177</b>	<b>19,629</b>	<b>9,953</b>	<b>6,055</b>	<b>3,898</b>
<b>DURABLE GOODS</b>	<b>180,835,395</b>	<b>56,819,779</b>	<b>23,325</b>	<b>2,436</b>	<b>1,786</b>	<b>650</b>
Furniture (25)	9,491,275	3,219,592	22,204	145	107	38
Stone, Clay, & Glass (32)	17,807,616	5,473,911	20,501	267	234	33
Fabricated Metals (34)	28,807,698	6,836,454	24,950	274	244	30
Nonelectrical Machinery (35)	18,872,911	5,677,500	20,873	272	213	59
Electric & Electronic Eqpt. (36)	58,637,591	18,681,757	26,461	706	383	323
<b>NONDURABLE GOODS</b>	<b>614,193,824</b>	<b>138,549,398</b>	<b>18,431</b>	<b>7,517</b>	<b>4,269</b>	<b>3,248</b>
Food (20)	134,270,639	18,759,732	23,131	811	605	206
Textiles (22)	77,006,144	21,287,560	19,369	1,099	740	359
Apparel (23)	1,564,615	1,098,943	11,447	96	36	60
Paper (26)	112,988,877	19,366,278	23,791	814	562	252
Printing & Publishing (27)	47,378,339	16,064,861	20,755	774	435	339
Rubber & Plastics (30)	156,063,338	35,007,777	18,425	1,900	1,072	828
Leather (31)	80,207,243	25,596,239	13,045	1,962	773	1,189
<b>LINCOLN (13)</b>	<b>168,217,328</b>	<b>29,660,328</b>	<b>24,882</b>	<b>1,192</b>	<b>1,073</b>	<b>119</b>
<b>MACHIAS - WHITNEYVILLE (07)</b>	<b>26,548,371</b>	<b>2,856,340</b>	<b>13,798</b>	<b>207</b>	<b>109</b>	<b>98</b>
<b>DURABLE GOODS</b>	<b>6,904,828</b>	<b>630,839</b>	<b>13,142</b>	<b>48</b>	<b>44</b>	<b>4</b>
<b>NONDURABLE GOODS</b>	<b>19,643,543</b>	<b>2,225,501</b>	<b>13,996</b>	<b>159</b>	<b>65</b>	<b>94</b>
<b>MADAWASKA (01)</b>	<b>456,511,322</b>	<b>60,824,122</b>	<b>27,736</b>	<b>2,193</b>	<b>1,699</b>	<b>494</b>
<b>PARIS - NORWAY (27)</b>	<b>135,001,772</b>	<b>38,503,468</b>	<b>16,468</b>	<b>2,338</b>	<b>1,411</b>	<b>927</b>
<b>DURABLE GOODS</b>	<b>76,681,242</b>	<b>21,943,996</b>	<b>16,712</b>	<b>1,313</b>	<b>852</b>	<b>461</b>
Lumber & Wood Products (24)	56,142,593	14,563,312	15,968	912	642	270
Stone, Clay & Glass (32)	660,472	248,611	13,084	19	11	8
Fabricated Metals (34)	3,040,409	847,158	18,416	46	30	16
<b>NONDURABLE GOODS</b>	<b>58,320,530</b>	<b>16,559,472</b>	<b>16,155</b>	<b>1,025</b>	<b>559</b>	<b>466</b>
Printing & Publishing (27)	5,638,491	1,846,190	13,986	132	64	68
Leather (31)	21,052,204	6,158,313	13,715	449	214	235
Misc. Manufacturing Products (39)	4,688,332	2,220,912	14,236	156	73	83
<b>PORTLAND (25)</b>	<b>1,442,990,651</b>	<b>391,118,699</b>	<b>26,783</b>	<b>14,603</b>	<b>10,024</b>	<b>4,579</b>
<b>DURABLE GOODS</b>	<b>553,523,937</b>	<b>181,302,755</b>	<b>25,967</b>	<b>6,982</b>	<b>4,726</b>	<b>2,256</b>
Lumber & Wood Products (24)	57,400,032	14,176,495	20,427	694	561	163
Furniture & Fixtures (25)	2,303,438	627,501	16,959	37	30	7
Stone, Clay, & Glass (32)	11,710,187	3,014,107	21,684	139	128	11
Primary Metals (33)	1,878,842	643,143	18,375	35	29	6
<b>Fabricated Metals (34)</b>	<b>55,629,957</b>	<b>16,214,133</b>	<b>29,057</b>	<b>558</b>	<b>463</b>	<b>95</b>
Nonelectrical Machinery (35)	179,564,756	52,531,545	26,953	1,949	1,473	476
Electric & Electronic Eqpt. (36)	215,771,770	85,137,297	26,547	3,207	1,872	1,335
Transportation Equipment (37)	4,092,573	1,727,393	20,322	85	73	12
Measuring Instruments (38)	25,172,382	7,231,141	26,011	278	127	151
<b>NONDURABLE GOODS</b>	<b>889,466,714</b>	<b>209,815,944</b>	<b>27,531</b>	<b>7,621</b>	<b>5,298</b>	<b>2,323</b>
Food (20)	331,732,861	43,875,436	22,070	1,988	1,494	494
Textiles (22)	5,626,884	1,908,623	17,351	110	56	54
Apparel (23)	7,356,254	2,801,144	12,732	220	85	135
Printing & Publishing (27)	108,860,788	35,472,024	22,046	1,609	918	691
Chemicals (28)	20,007,269	6,532,369	28,035	233	111	122
Rubber & Plastics (30)	34,245,182	8,000,278	21,918	365	266	99

Table 9 (Continued)

**CENSUS OF MAINE MANUFACTURES  
BY ECONOMIC AREA & MAJOR INDUSTRY, 1989**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
<b>PRESQUE ISLE (02)</b>	\$ 201,287,115	\$ 40,710,256	\$ 16,892	2,410	1,483	927
DURABLE GOODS	60,095,349	15,355,398	16,370	938	564	374
Lumber & Wood (24)	48,492,810	9,242,904	18,672	495	419	76
Stone, Clay & Glass (32)	746,926	361,723	13,912	26	21	5
Nonelectric Machinery (35)	697,429	213,108	12,535	17	15	2
NONDURABLE GOODS	141,191,766	25,354,858	17,224	1,472	919	553
Food (20)	89,175,220	16,529,553	17,697	934	615	319
Paper (26)	16,822,657	2,325,596	24,479	95	87	8
Printing & Publishing (27)	4,416,828	1,123,570	15,183	74	39	35
<b>ROCKLAND (17)</b>	243,752,769	54,452,770	20,145	2,703	1,673	1,030
DURABLE GOODS	88,255,273	24,953,723	22,161	1,126	868	258
Lumber & Wood Products (24)	3,046,779	341,809	12,207	28	24	4
Fabricated Metals (34)	8,103,515	2,549,721	17,584	145	109	36
Nonelectrical Machinery (35)	22,050,148	4,919,519	26,167	188	171	17
Transportation Equipment (37)	18,578,660	6,107,192	20,089	304	263	41
NONDURABLE GOODS	155,497,496	29,499,047	18,705	1,577	805	772
Food (20)	38,176,858	7,161,016	14,096	508	244	264
Textiles (22)	28,981,790	5,860,197	20,000	293	168	125
Apparel (23)	6,522,659	3,449,958	15,898	217	70	147
Printing & Publishing (27)	14,782,979	4,374,046	18,455	237	89	148
<b>SKOWHEGAN (21)</b>	850,458,272	102,642,521	22,007	4,664	2,781	1,883
DURABLE GOODS	109,233,651	23,344,668	16,011	1,458	941	517
NONDURABLE GOODS	741,224,621	79,297,853	24,743	3,206	1,840	1,366
Textiles (22)	2,731,657	1,021,019	14,797	69	39	30
Apparel (23)	11,773,963	4,319,453	14,208	304	65	239
Paper (26)	594,663,214	49,392,392	42,875	1,152	979	173
Leather (31)	127,262,024	23,797,535	14,510	1,640	730	910
<b>WALDOBORO (18)</b>	54,419,720	16,737,562	20,461	818	434	384
DURABLE GOODS	42,590,631	13,738,367	22,708	605	355	250
Lumber & Wood (24)	1,715,574	642,891	14,286	45	32	13
Transportation Equipment (37)	8,012,477	3,415,995	20,094	170	150	20
NONDURABLE GOODS	11,829,089	2,999,195	14,080	213	79	134
Food (20)	4,234,554	583,373	10,234	57	21	36
Printing & Publishing (27)	3,810,795	1,149,445	16,658	69	25	44
<b>WATERVILLE (20)</b>	376,450,755	98,705,726	23,899	4,130	2,674	1,456
DURABLE GOODS	87,846,981	17,741,316	24,674	719	652	67
Lumber & Wood Products (24)	40,760,667	2,487,689	16,366	152	142	10
Stone, Clay & Glass (32)	7,459,043	2,422,953	26,921	90	83	7
Fabricated Metals (34)	7,390,164	2,288,575	20,805	110	95	15
Nonelectric Machinery (35)	26,091,607	8,717,644	31,816	274	254	20
NONDURABLE GOODS	288,603,774	80,964,410	23,736	3,411	2,022	1,389
Food (20)	15,472,400	1,932,705	13,421	144	94	50
Paper (26)	207,531,235	54,094,666	29,463	1,836	1,416	420
Printing & Publishing (27)	13,729,151	5,551,099	22,383	248	156	92

NOTE: The total of these economic areas may not be equal to the total for the state due to the presence of nonclassifiable establishments and nondisclosable economic areas.

TABLE 10

## CENSUS OF MAINE MANUFACTURES BY PLANT SIZE, 1989

ESTABLISHMENTS EMPLOYING:	NUMBER REPORTING	VALUE OF PRODUCT			EMPLOYMENT			UNIONIZED WORKERS	WAGES	
		\$	% CHANGE FROM 1984 1988		TOTAL	MALE	FEMALE		GROSS	AVERAGE
0 - 50	2,115	1,471,198,524	46.5	-5.4	17,136	12,249	4,887	705	\$311,750,710	\$ 18,192
51 - 100	145	870,314,467	19.6	15.0	10,405	6,688	3,717	1,061	204,230,983	19,628
101 - 250	121	1,866,223,026	40.7	13.2	18,978	11,710	7,268	4,034	398,340,668	20,989
251 - 500	46	2,035,566,502	12.7	29.6	17,133	10,381	6,752	3,445	375,091,078	21,892
501 - 1000	21	1,686,584,860	-20.0	-35.8	13,728	8,855	4,873	5,829	342,682,702	24,962
1001 and Over	11	3,315,552,155	21.3	10.5	24,550	19,731	4,819	14,683	744,257,451	30,315
Inactive or Out of Business	213	60,430,060	178.0	-5.0	3,586	2,604	982	302	100,209,121	27,944

ESTABLISHMENTS EMPLOYING:	PLANT MODERNIZATION & EQUIPMENT						FOREIGN TRADE	
	TOTAL		EXISTING STRUCTURES		EQUIPMENT		PLANNED	
	\$	\$	\$	\$	\$	\$	1990	1991
0 - 50	72,959,552	12,272,739	5,923,834	54,762,979	45,755,366	25,889,569	46,561,043	69,235,728
51 - 100	34,992,014	6,902,840	135,180	27,953,994	25,870,451	14,468,700	27,188,802	39,592,839
101 - 250	136,956,427	28,710,032	200,173	108,046,222	79,865,296	72,576,292	103,016,564	94,548,729
251 - 500	201,106,911	40,187,145	1,800,000	159,119,766	200,360,523	59,544,500	58,359,869	93,726,041
501 - 1000	185,378,793	33,910,894	164,021	151,303,878	135,040,776	75,885,728	76,338,063	240,161,530
1001 and Over	247,169,407	26,932,856	0	220,236,551	127,600,058	139,222,619	340,667,461	132,793,245
Inactive or Out of Business	635,619	3,219	0	632,400	502,152	570,425	3,079,288	2,074,376

## **APPENDIX A**

### **Technical Notes and Definitions**

**AVERAGE GROSS WAGES** is the figure obtained by dividing GROSS WAGES by the TOTAL EMPLOYMENT.

**CIVIL DIVISIONS** are geographical units of government. Major civil divisions are counties; minor civil divisions are cities, towns, plantations, and townships.

**ECONOMIC AREAS** are defined in Appendix C.

**EMPLOYMENT** is the number of employees reported in each month, as of the payroll period including the 12th of the month, averaged at the establishment level over the full twelve months.

**ESTABLISHMENT** is defined as a single physical location where industrial operations are performed; it is, therefore, a place of business rather than a legal entity or company which may have units in many locations. Where appropriate (e.g., logging operations) combined reports have been assigned to no specific civil division, merely to the county in which said principal location is found. A small number of multi-county operations report on a statewide basis.

**EXPENDITURES FOR PLANT MODERNIZATION AND EQUIPMENT** (or Capital Expenditures) is the actual amount spent during the survey year and planned for the two succeeding years for three categories: New Structures and/or Additions or Alterations to Existing Structures; Purchase of Existing Structures; and Purchase of New or Used Machinery or Equipment. Land costs are excluded.

**FOREIGN TRADE - EXPORTS** is the sales value of goods manufactured at an establishment that were shipped to foreign countries either directly or via out-of-state agents. **IMPORTS** is the cost of materials imported from foreign countries for use in the manufacturing process at an establishment.

**GROSS WAGES** shows total earnings during the calendar year of all employees before deductions, as reported to the Maine Bureau of Employment Security for Unemployment Insurance taxes. Before 1976, executives were excluded and wages were reported directly to the Bureau of Labor Standards. Because various fringe benefits such as payroll taxes, insurance, etc. paid by employers, are excluded, this data does not represent total labor costs on the part of the employer.

**SPECIAL STUDIES** from Census data are available upon written request to the Director of the Bureau of Labor Standards. The Bureau reserves the right to reject any request or to charge for costs incurred.

**STANDARD INDUSTRIAL CLASSIFICATION (SIC)** The Standard Industrial Classification system as compiled by the Executive Office of the President, Office of Management and Budget, was used to determine the industry title applicable to each establishment. Descriptions of major industry groups may be found in Appendix B. Each establishment has been classified according to its principal activity.

**VALUE OF PRODUCT** is the net selling price of all goods manufactured or processed during the calendar year. If industrial operations were on a contractual basis, the total of amounts received for contract work or services performed has been included.

**WORKERS UNDER UNION CONTRACT** is the number of workers organized under a union contract and/or a collective bargaining agreement. It represents the number from one representative payroll period; the comparative figure for NUMBER OF WORKERS is an average for the year.



## APPENDIX A (Continued)

Shown below is a copy of the 1989 Census of Maine Manufactures form mailed to Maine's manufacturing establishments in April, 1990.

**STATE OF MAINE**  
 Department of Labor  
 Bureau of Labor Standards  
 Mail Station 45  
 Augusta, Maine 04333  
 Telephone No. 207-289-6446

**IMPORTANT:** The filing of this report is required of all manufacturers and processors in the State of Maine under Title 26, Secs. 42, 43, 46, RS 1964. Penalties for failure or neglect to file are \$25 to \$100 fine, imprisonment up to 30 days or both. When, for any reason it is impossible to furnish exact answers to any inquiry, make the best possible estimate and add the letter "E" to so indicate. **PLEASE READ THE INSTRUCTIONS ON THE BACK OF THIS REPORT.**

RETAIN THIS COPY FOR YOUR FILES

**COMPLETE AND RETURN THIS REPORT BY**  
 April 30, 1990  
 Retain Unlabeled Copy for your Files  
 Please Make Necessary Changes  
 To Address Label

**CENSUS OF  
MAINE MANUFACTURES  
1989**

**I. ESTABLISHMENTS COVERED IN THIS REPORT**  
 If this report covers two or more establishments in different locations, please give approximate percent of operation in each location.

(City or Town name if different from mail address)	(County)	(Number of Units)	(Approximate % of Operation)
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**II. DESCRIPTION, QUANTITY, AND VALUE OF PRODUCTS**

A. Description of Principal Products Produced (List Items Separately)	B. Principal Materials Used for Each Product Listed	C. Was Material Used Produced in this Establishment?	D. Quantity Produced (Indicate Unit of Measure)	E. Gross Value of Product (Dollars Cents)
		Yes    No		
1.				\$
2.				
3.				
4.				
5.				
6. All Other Products				
7. Receipts for work done by you on material owned by others, etc. (Contract or job work)				
8. Receipts for custom work, repairing, and/or installation of your own product. (Sales of Scrap and waste recovery)				
9. Receipts of products purchased without further manufacture				
TOTAL OF LINES 1-9				

**III. CAPITAL EXPENDITURES (Exclude land costs)**

	Amount Actually Spent in 1989	Amount of Planned Expenditures for	
		1990	1991
A. New Structures and/or Additions or Alterations to Existing Structures			
B. Purchase of Existing Structures			
C. Purchase of New or Used Machinery and Equipment			

**IV. EXPORTS -- IMPORTS (Foreign Trade)**

A. Estimated value of exports	B. Estimated value of imports
\$	\$

**V. UNION STATUS**  
 Is this establishment organized under a union contract and/or collective bargaining agreement?    ☐ No    ☐ Yes  
 If Yes, please fill in the following information:  
 Name of Union: \_\_\_\_\_  
 Number of workers covered by union contract: \_\_\_\_\_

**IF YOU HAD NO TEMPORARY CONTRACT EMPLOYEES, PLEASE CHECK THIS BLOCK AND ITEM VI ON THE REVERSE SIDE OF THIS REPORT MAY BE OMITTED.**    ☐

**PLEASE NOTE: THESE DATA ARE STRICTLY CONFIDENTIAL AND WILL NOT BE DIVULGED IN ANY WAY WHICH WILL REVEAL INDIVIDUAL INFORMATION. DATA ARE USED IN SUMMARY TABULATIONS ONLY.**

According to law, the Director of the Bureau of Labor may furnish a written or printed list of interrogatories and require full and complete answers thereto under oath. Pursuant thereto: I, the undersigned, have examined this report and to the best of my knowledge and belief it is a true and correct and complete return.

.....  
(Date)

Name (print or type) .....

Signature .....

Official Title .....

Telephone Number of Firm .....

HL 560 (Rev 2/90)

## APPENDIX A (Continued)

### VI. TEMPORARY CONTRACT WORKERS

#### A. Contract Cost

Total cost of temporary contract labor purchased during the year. \$ \_\_\_\_\_

The object of this question is to determine the number of temporary workers contracted through the employment agencies used in manufacturing in a manner that is as close as possible to that used to report regular employees. The monthly number of workers should be for the week including the 12th of the month.

#### B. Number of Temporary Contract Workers

Calendar 1989	NUMBER OF WORKERS (By Sex)		
	MALE	FEMALE	TOTAL
January			
February			
March			
April			
May			
June			
July			
August			
September			
October			
November			
December			

#### FOR OFFICE USE ONLY

12 month total			
12 month average			

### INSTRUCTIONS and EXPLANATION NOTES

**GENERAL:** If this establishment has been sold to others, or has gone out of business, return this form with the name and address of the successor, if any, and the date of such sale or discontinuance. This schedule must be filed to reflect manufacturing operations during the year even though address discontinued business during or after that year. **PARTIAL REPORTS ARE THEREFORE REQUIRED.** New firms organized or beginning operations during the year must also file.

The purpose of this report is to determine the condition of industry in the state for the calendar year under consideration and it is clear that the inclusion in our tabulation of reports for establishments filed under a fiscal year basis which do not reflect calendar year data can only operate to defeat this purpose. It is necessary therefore that this report be prepared to reflect calendar year operations, subject to this consideration: If in the considered judgment of the responsible authority in the reporting manufacturer's organization, the financial data called for in the schedule do not materially differ, whether on a calendar or fiscal basis, fiscal year figures will be accepted as representative of the calendar year operations. **HOWEVER, THE NUMBER OF CONTRACT WORKERS AND COSTS SHOULD BE REPORTED ON A CALENDAR YEAR BASIS IN EVERY CASE.**

**ITEM I:** List cities or towns in which the establishments are located. Also indicate the number of establishments or separate production units located at that city or town which are covered or included within this report. If any change has taken place in the name, address or location please make the necessary changes on the address label.

**ITEM II:** Describe and list separately your products as fully as possible in column (A). In column (B) indicate the basic materials used to make each item, and in column (C) check whether the basic materials were produced in the same establishment. Indicate in column (D) the quantity produced and also the unit of measure (example: cubic feet, cords, thousand board feet, quarts, gallons, pounds). In column (E) state manufacturer's selling value at this establishment of all goods produced during the year whether sold or not. **DO NOT** consider your annual sales as representing your product value unless they are identical. Sub-item 7 is found principally in the textile finishing, apparel, logging, and lumbering industries where certain operations are performed on materials owned by others — total receipts for such work should be reported.

**ITEM III:** The purpose of this inquiry is to determine the amounts invested or to be invested in the physical productive capacity of the State's manufacturing industries. It is highly important that we have an indication of the planned investment as well as that which has already been effected. The figures are confidential and released only in summary form.

**ITEM IV:** A. Enter the estimated sales value of goods manufactured at this establishment that were shipped to foreign countries, either directly or via out-of-state agents.

B. Enter the estimated cost of materials imported from foreign countries for use in the manufacturing process at this establishment.

**PLEASE READ INSTRUCTIONS —** If you have further questions, please contact this office.

BUREAU OF LABOR STANDARDS  
DIVISION OF RESEARCH AND STATISTICS  
STATE HOUSE STATION 45  
AUGUSTA, MAINE 04333  
TELEPHONE No. 287-289-6446



## APPENDIX B

### Major Industry Descriptions, 1972 SIC

#### THE DIVISION AS A WHOLE

The manufacturing division includes establishments engaged in the mechanical or chemical transformation of materials or substances into new products. These establishments are usually described as plants, factories, or mills and characteristically use power driven machines and materials handling equipment. Establishments engaged in assembling component parts of manufactured products are also considered manufacturing if the new product is neither a structure nor other fixed improvement. Also included is the blending of materials, such as lubricating oils, plastics, resins, or liquors.

The materials processed by manufacturing establishments include products of agriculture, forestry, fishing, mining, and quarrying as well as products of other manufacturing establishments. The new product of a manufacturing establishment may be "finished" in the sense that it may be "semi-finished" to become a raw material for an establishment engaged in further manufacturing. For example, the product of the copper smelter is the raw material used in electrolytic refineries; refined copper is the raw material used by certain electrical equipment manufacturers.

The materials used by manufacturing establishments may be purchased directly from producers, obtained through customary trade channels, or secured without recourse to the market by transferring the product from one establishment to another which is under the same ownership. Manufacturing production is usually carried on for the wholesale market, for interplant transfer, or to order for industrial users, rather than for direct sale to the domestic consumer.

**20 FOOD AND KINDRED PRODUCTS:** This major group includes establishments manufacturing or processing food and beverages for human consumption and certain related products, such as manufactured ice, chewing gum, vegetable and animal fats and oils, and prepared feeds for animals and fowls.

**22 TEXTILE MILL PRODUCTS:** This major group includes establishments engaged in performing any of the following operations: (1) preparation of fiber and subsequent manufacturing of yarn, thread, braids, twine, and cordage; (2) manufacturing broad woven fabric, narrow woven fabric, knit fabric, and carpets and rugs from yarn; (3) dyeing and finishing fiber, yarn, fabric, and knit apparel; (4) coating, waterproofing, or otherwise treated fabric; (5) the integrated manufacture of knit apparel and other finished articles from yarn; and (6) the manufacture of felt goods, lace goods, nonwoven fabrics, and miscellaneous textiles.

This classification makes no distinction between the two types of organizations which operate in the textile industry:

(1) the "integrated" mill which purchases materials, produces textiles, and related articles within the establishment, and sells the finished products; and (2) the "contract" or "commission" mill which processes materials owned by others. Converters or other manufacturing industries; establishments which assign materials to contract mills for processing (other than knitting) are classified in nonmanufacturing industries; establishments which assign yarns to outside contractors or commission knitters for the production of knit products are also classified in this Group.

**23 APPAREL AND OTHER FINISHED PRODUCTS MADE FROM FABRICS AND SIMILAR MATERIALS:** This major group, known as the cutting-up and needle trades, includes establishments producing clothing and fabricating products by cutting and sewing purchased woven or knit textile fabrics and related materials, such as leather, rubberized fabrics, plastics, and furs. Included in the apparel industries are three types of establishments: (1) the "regular" or insider factories, (2) contract factories, and (3) apparel jobbers. The regular factories perform all of the usual manufacturing functions within their own plant; the contract factories manufacturing apparel from materials owned by others; and apparel jobbers perform the entrepreneurial functions of a manufacturing company, such as buying raw materials, designing and preparing samples, arranging for the manufacture of the garments from their materials and selling of the finished apparel.

Custom tailors and dressmakers not operating on a factory basis are classified in Retail Trade; establishments which purchase and resell finished garments but do not perform the functions of the apparel jobbers are classified in Wholesale Trade.

## **APPENDIX B (Continued)**

**24 LUMBER AND WOOD PRODUCTS, EXCEPT FURNITURE:** This major group includes logging camps engaged in cutting timber and pulpwood; merchant sawmills, lath mills, shingle mills, cooperage stock mills, planing mills, and plywood mills and veneer mills engaged in producing lumber and wood basic materials; and establishments engaged in manufacturing finished articles made entirely or mainly of wood or wood substitutes. Certain types of establishments producing wood products are classified elsewhere. For example, furniture and office and store fixtures are classified in Major Group 25; musical instruments, toys, and playground equipment, and caskets in Major Group 39. Woodworking in connection with construction, in the nature of reconditioning and repair, or performed to individual order, is classified in nonmanufacturing industries.

**25 FURNITURE AND FIXTURES:** This major group includes establishments engaged in manufacturing household, office, public building, and restaurant furniture; and office and store fixtures. Establishments primarily engaged in the production of millwork and wood kitchen cabinets are classified in Major Group 24; cut stone and concrete furniture in Major Group 32; laboratory and hospital furniture in Major Group 38; beauty and barber shop furniture in Major Group 39; and woodworking to individual order or in the nature of reconditioning and repair in nonmanufacturing industries.

**26 PAPER AND ALLIED PRODUCTS:** This major group includes the manufacture of pulps from wood and other cellulose fibers and from rags; the manufacture of paper and paperboard; and the manufacture of paper and paperboard into converted products, such as paper coated off the paper machine, paper bags, paper boxes, and envelopes. Certain types of converted paper products are classified elsewhere, such as abrasive paper in Major Group 32; carbon paper in Major Group 39; and photosensitized and blueprint paper in Major Group 38.

**27 PRINTING, PUBLISHING, AND ALLIED PRODUCTS:** This major group includes establishments engaged in printing by one or more of the common processes, such as letter press, lithography, gravure, or screen; and those establishments which perform services for the printing trade, such as bookbinding, typesetting, engraving, photoengraving, and electrotyping. This major group also includes establishments engaged in publishing newspapers, books, and periodicals, regardless of whether or not they do their own printing. News syndicates are classified in Service Industries, and textile printing and finishing in Major Group 22.

**28 CHEMICALS AND ALLIED PRODUCTS:** This major group includes establishments producing basic chemicals and establishments manufacturing products by predominantly chemical processes. Establishments classified in this major group manufacture three general classes of products: (1) basic chemicals, such as acids, alkalies, salts, and organic chemicals; (2) chemical products to be used in further manufacture, such as synthetic fibers, plastics materials, dry colors, and pigments; (3) finished chemical products to be used for ultimate consumption, such as drugs, cosmetics, and soaps; or to be used as materials or supplies in other industries, such as paints, fertilizers, and explosives. The mining of natural rock salt is classified in mining industries. Establishments primarily engaged in manufacturing nonferrous metals and high percentage ferrous alloys are classified in Major Group 33; silicon carbide in Major Group 32; baking powder, other leavening compounds, and starches in Major Group 20; and artists' colors in Major Group 39. Establishments primarily engaged in packaging, repackaging, and bottling of purchased chemical products, but not engaged in manufacturing chemicals and allied products, are classified in trade industries.

**29 PETROLEUM REFINING AND RELATED INDUSTRIES:** This major group includes establishments primarily engaged in petroleum refining, manufacturing paving and roofing materials, and compounding lubricating oils and greases from purchased materials. Establishments manufacturing and distributing gas to consumers are classified in public utilities industries, and those primarily engaged in producing coke and by-products in Major Group 33.

**30 RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS:** This major group includes establishments manufacturing from natural, synthetic, or reclaimed rubber, gutta-percha, balata, or gutta siak, rubber products such as tires, rubber footwear, mechanical rubber goods, heels and soles, flooring, and rubber sundries. This group also includes establishments primarily manufacturing tires, but establishments primarily recapping and retreading automobile tires are classified in Services. This group also includes establishments engaged in molding primary plastics for the trade, and manufacturing miscellaneous finished plastics products. The manufacture of elastic webbing is classified in Major Group 22; products made of elastic webbing and garments made from the rubberized fabrics in Major Group 23; and synthetic rubber in Major Group 28.

**31 LEATHER AND LEATHER PRODUCTS:** This major group includes establishments engaged in tanning, currying, and finishing hides and skins, and establishments manufacturing finished leather and artificial leather products and some similar products made of other materials. Leather converters are also included.

## APPENDIX B (Continued)

**32 STONE, CLAY, GLASS AND CONCRETE PRODUCTS:** This major group includes establishments engaged in manufacturing flat glass and other glass products, cement, structural clay products, pottery, concrete and gypsum products, cut stone, abrasive and asbestos products, etc., from materials taken principally from the earth in the form of stone, clay, and sand. When separate reports are available for mines and quarries operated by manufacturing establishments classified in this major group, the mining quarrying activities other than those of Minerals, ground or treated, are classified herein with the manufacturing operations.

If separate reports are not available for crushing, grinding, and other preparation activities of Minerals, ground or treated, these establishments are classified in Mining.

**33 PRIMARY METAL INDUSTRIES:** This major group includes establishments engaged in the smelting and refining of ferrous and nonferrous metals from ore, pig, or scrap; in the rolling, drawing, and alloying of ferrous and nonferrous metals; in the manufacture of castings and other basic products of ferrous and nonferrous metals; and in the manufacture of nails, spikes, and insulated wire and cable. This major group also includes the production of coke. Establishments primarily engaged in manufacturing metal forgings or stampings are classified in Major Group 34.

**34 FABRICATED METAL PRODUCTS, EXCEPT MACHINERY AND TRANSPORTATION EQUIPMENT:** This major group includes establishments engaged in fabricating ferrous and nonferrous metal products such as metal cans, tinware, hand tools, cutlery, general hardware, and nonelectric heating apparatus, fabricated structural metal products, metal forgings, metal stampings, ordnance (except vehicles and guided missiles), and a variety of metal and wire products not elsewhere classified. Certain important segments of the metal fabricating industries are classified in other major groups, such as machinery in Major Groups 35 and 36; transportation equipment, including tanks, in Major Group 37; professional scientific and controlling instruments, watches and clocks in Major Group 38; and jewelry and silverware in Major Group 39. Establishments primarily engaged in producing ferrous and nonferrous metals and their alloys are classified in Major Group 33.

**35 MACHINERY, EXCEPT ELECTRICAL:** This major group includes establishments engaged in manufacturing machinery and equipment, other than electrical equipment (Major Group 36) and transportation equipment (Major Group 37). Machines powered by built-in or detachable motor ordinarily are included in this major group, with the exception of electrical household appliances (Major Group 36). Portable tools, both electric and pneumatic powered, are included in this major group, but hand tools are classified in Major Group 34.

**36 ELECTRICAL AND ELECTRONIC MACHINERY, EQUIPMENT AND SUPPLIES:** This major group includes establishments engaged in manufacturing machinery, apparatus, and supplies for the generation, storage, transmission, transformation, and utilization of electrical energy. The manufacture of household appliances included in this group, but industrial machinery and equipment powered by built-in or detachable electric motors is classified in Major Group 35. Establishments primarily engaged in manufacturing instruments for indicating, measuring, and recording electrical quantities are classified in Major Group 38.

**37 TRANSPORTATION EQUIPMENT:** This major group includes establishments engaged in manufacturing equipment for transportation of passengers and cargo by land, air and water. Important products produced by establishments classified in this major group include motor vehicles, aircraft, guided missiles and space vehicles, ships, boats, railroad equipment, and miscellaneous transportation equipment such as motorcycles, bicycles, and snowmobiles. Establishments primarily engaged in manufacturing mobile homes are classified in Major Group 24.

**38 MEASURING, ANALYZING, AND CONTROLLING INSTRUMENTS, PHOTOGRAPHIC, MEDICAL, AND OPTICAL GOODS; WATCHES AND CLOCKS:** This major group includes establishments engaged in Manufacturing instruments (including professional and scientific) for measuring, testing, analyzing, and controlling, and their associated sensors and accessories; optical instruments and lenses; surveying and drafting instruments; surgical, medical, and dental instruments, equipment, and supplies; ophthalmic goods; photographic equipment and supplies; and watches and clocks.

**39 MISCELLANEOUS MANUFACTURING INDUSTRIES:** This major group includes establishments primarily engaged in manufacturing products not classified in any other manufacturing major group. Industries in this group fall into the following categories: jewelry, silverware and plated ware; musical instruments; toys, sporting and athletic goods; pens, pencils, and other office and artists' materials, buttons, costume novelties, miscellaneous notions; brooms and brushes; caskets; and other miscellaneous manufacturing industries.

## APPENDIX C

### Geographic Definitions of Economic Areas

This publication has contained a tabulation entitled "Economic Areas" since 1954. This series consists of thirty areas which were delineated on the basis of population and manufacturing employment cross-sectional evaluation. Care should be exercised in making comparison of these thirty areas with the earlier areas as there have been changes made in almost all of the regions.

The civil division with the largest population is in capital letters, and the civil division with the most workers employed in manufacturing is underlined. The minor civil division contained in the areas are as follows:

<u>Area No.</u>	<u>1989 Population</u>	<u>Town</u>
1	16,465	Eagle Lake, Ft. Kent, Frenchville, Grand Isle, <u>MADAWASKA</u> , St. Agatha, Van Buren, Wallagrass
2	44,358	Ashland, Blaine, Caribou, Caswell, Chapman, Easton, Ft. Fairfield, Limestone, Mapleton, Mars Hill, Masardis, <u>PRESQUE ISLE</u> , Wade, Washburn, Westfield, Woodland
3	12,078	Bridgewater, Dyer Brook, Hodgdon, <u>HOULTON</u> , Island Falls, Linneus, Ludlow, Merrill, Monticello, Oakfield, Smyrna
4	11,167	East Millinocket, Medway, <u>MILLINOCKET</u>
5	8,037	Alexander, <u>Baileyville</u> , Baring, CALAIS, Meddybemps, Princeton, Robbinston
6	5,868	Dennysville, <u>Eastport</u> , LUBEC, Pembroke, Perry
7	5,592	Cutler, E. Machias, <u>MACHIAS</u> , Machiasport
8	8,900	Addison, Beals, <u>Cherryfield</u> , Columbia Falls, Harrington, Jonesboro, JONESPORT, Milbridge, Steuben
9	17,787	BAR HARBOR, Cranberry Isles, Franklin, Gouldsboro, Hancock, Mt. Desert, Sorrento, <u>Southwest Harbor</u> , Sullivan, Tremont, Trenton, Winter Harbor
10	8,874	BLUE HILL, <u>Brooklin</u> , Brooksville, Castine, Deer Isle, Sedgwick, Stonington, Swans Island
11	15,132	<u>Bucksport</u> , ELLSWORTH, Orland, Penobscot, Surry, Verona
12	99,592	Alton, Argyle, <u>BANGOR</u> , Bradford, Bradley, Brewer, Carmel, Charleston, Clifton, Corinth, Dedham, Eddington, Edinburg, Glenburn, Greenbush, Greenfield, Hampden, Hermon, Holden, Hudson, Kenduskeag, Lagrange, Levant, Milford, Newburg, Old Town, Orono, Orrington, Veazie
13	11,245	Burlington, Enfield, Grand Falls, Howland, Lee, <u>LINCOLN</u> , Passadumkeag, Springfield, Winn
14	16,908	Abbot, Brownville, <u>DOVER-FOXCROFT</u> , Greenville, <u>Gulfport</u> , Milo, Monson, Sangerville, Sebec, Shirley
15	18,516	Alna, Burnham, Cambridge, Corinna, Detroit, <u>DEXTER</u> , Dixmont, Newport, Palmyra, St. Albans, Stetson, Troy
16	26,098	<u>BELFAST</u> , Belmont, Brooks, Frankfort, Isleboro, Liberty, Lincolnville, Monroe, Montville, Morrill, Northport, Prospect, Stockton Springs, Swanville, Thorndike, Waldo, Winterport
17	36,224	Appleton, Camden, <u>Cushing</u> , Friendship, Hope, Matinicus Isle, North Haven, Owls Head, <u>ROCKLAND</u> , Rockport, St. George, S. Thomaston, Thomaston, Union, Vinalhaven, Warren, Washington
18	23,061	Boothbay, Boothbay Harbor, Bremen, Bristol, Damariscotta, Edgcomb, Newcastle, Nobleboro, S. Bristol, Southport, <u>WALDOBORO</u> , Westport, Wiscasset

# APPENDIX C (Continued)

Area No.	1989 Population	Town
19	59,781	<u>AUGUSTA</u> , Farmingdale, Gardiner, Hallowell, Jefferson, Litchfield, Manchester, Monmouth, Pittston, Randolph, Readfield, Richmond, Wayne, W. Gardiner, Whitefield, Windsor, Winthrop
20	61,154	Albion, Belgrade, Benton, China, Clinton, Fairfield, Freedom, Mt. Vernon, Oakland, Palermo, Smithfield, Sidney, Unity, Vassalboro, <u>WATERVILLE</u> , Winslow
21	32,862	Anson, Athens, Bingham, Canaan, Cornville, Embden, Harmony, Hartland, Madison, Mercer, Norridgewock, <u>Pittsfield</u> , SKOWHEGAN, Solon, Starks
22	29,791	Avon, Chesterville, FARMINGTON, Industry, Jay, Kingfield, Livermore Falls, New Portland, New Sharon, New Vincyard, Phillips, Strong, Temple, Weld, Wilton
23	105,767	Auburn, Bowdoin, Durham, Greene, Leeds, LEWISTON, Lisbon, Mechanic Falls, New Gloucester, Poland, Sabattus, Turner
24	58,417	<u>Bath</u> , Bowdoinham, BRUNSWICK, Dresden, Freeport, Georgetown, Harpswell, Topsham, W. Bath, Woolwich
25	191,035	Cape Elizabeth, Cumberland, Falmouth, Gorham, Gray, N. Yarmouth, <u>PORTLAND</u> , Raymond, Scarborough, S. Portland, Standish, Westbrook, Windham, Yarmouth
26	20,656	Andover, Bethel, Canton, Dixfield, Hanover, Hartford, Mexico, Newry, Peru, Roxbury, <u>RUMFORD</u> , Sumner
27	21,189	Buckfield, Greenwood, Hebron, Lovell, NORWAY, <u>Oxford</u> , Paris, Stoncham, Sweden, Waterford, W. Paris, Woodstock
28	22,415	Baldwin, <u>BRIDGTON</u> , Brownfield, Casco, Cornish, Denmark, Fryeburg, Harrison, Hiram, Naples, Parsonsfield, Porter, Sebago
29	104,033	Alfred, Arundel, Biddeford, Buxton, Dayton, Hollis, Kennebunk, Kennebunkport, Limerick, Limington, Lyman, Newfield, Old Orchard Beach, Saco, <u>SANFORD</u> , Shapleigh, Waterboro
30	54,583	Berwick, Eliot, Kittery, Lebanon, <u>N. Berwick</u> , S. Berwick, Wells, YORK

NOTE: Since the 1989 population census data is unavailable for some unorganized townships, the area population in some instances may be slightly understated. Population data is from Population Estimates for Minor Civil Divisions by County, Maine 1989; Maine Department of Human Services, Office of Data, Research, and Vital Statistics.

# APPENDIX D

## Census of Maine Manufactures by Major Industry Group, 1984-1988

Industry	Year	Number Reporting	Value of Product (Thousands)	Gross Wages (Thousands)	Average Wages	Total Employment
<b>TOTAL</b>	1984	2,495	\$ 9,419,809	\$ 2,017,402	\$ 18,294	110,273
	1985	2,495	8,957,798	2,021,738	19,105	105,819
	1986	2,555	9,482,388	2,111,383	20,384	103,579
	1987	2,604	10,074,473	2,214,240	21,234	104,277
	1988	2,705	11,262,652	2,336,879	21,857	106,916
<b>DURABLE GOODS - TOTAL</b>	1984	1,634	3,318,257	821,662	18,910	43,449
	1985	1,605	3,136,489	835,852	19,538	42,780
	1986	1,655	3,466,441	900,083	20,486	43,936
	1987	1,668	3,811,905	979,926	21,222	46,175
	1988	1,753	4,189,834	1,090,591	22,221	49,079
Lumber & Wood Products	1984	1,036	897,218	219,588	15,451	14,211
	1985	1,002	880,031	216,383	16,006	13,518
	1986	1,043	955,725	219,403	16,273	13,482
	1987	1,025	1,013,373	238,551	17,455	13,666
	1988	1,028	1,120,032	233,578	17,753	13,157
Furniture & Fixtures	1984	47	44,571	15,089	15,916	948
	1985	46	55,209	17,067	16,085	1,061
	1986	49	53,892	19,115	17,113	1,117
	1987	48	72,423	22,537	18,145	1,242
	1988	50	78,940	24,565	18,954	1,296
Stone, Clay, & Glass	1984	85	92,216	21,377	17,507	1,221
	1985	86	111,951	24,889	19,278	1,291
	1986	91	143,652	31,414	20,266	1,550
	1987	89	158,865	38,763	22,936	1,690
	1988	102	162,761	41,796	23,414	1,785
Primary Metals	1984	13	26,672	10,264	18,628	551
	1985	12	38,681	14,533	19,351	751
	1986	11	40,431	15,044	21,645	695
	1987	11	36,321	13,514	21,656	624
	1988	11	38,421	14,387	23,780	605
Fabricated Metals	1984	115	197,698	64,153	19,745	3,249
	1985	118	192,811	63,438	19,974	3,176
	1986	112	188,889	60,209	20,402	2,951
	1987	114	215,269	64,056	21,589	2,967
	1988	121	230,608	69,653	22,483	3,098
Nonelectrical Machinery	1984	144	363,078	83,248	20,504	4,060
	1985	155	324,151	93,018	21,044	4,420
	1986	159	366,506	92,149	22,928	4,019
	1987	175	393,434	95,914	23,078	4,156
	1988	191	461,037	113,056	25,179	4,490
Electric & Electronic Equipment	1984	55	907,030	167,575	18,629	8,995
	1985	54	755,599	180,281	19,008	9,484
	1986	55	768,903	193,133	20,084	9,616
	1987	61	878,449	213,141	20,920	10,188
	1988	61	957,982	230,400	21,899	10,521
Transportation Equipment	1984	121	754,401	231,867	24,203	9,580
	1985	112	748,612	218,480	25,586	8,539
	1986	113	914,881	261,265	26,297	9,935
	1987	122	1,004,459	283,180	25,792	10,979
	1988	166	1,083,984	348,473	26,159	13,321



**APPENDIX D (Continued)**

Industry	Year	Number Reporting	Value of Product (Thousands)	Gross Wages (Thousands)	Average Wages	Total Employment
Precision Instruments & Related Products	1984	18	\$ 35,373	\$ 8,498	\$ 13,404	634
	1985	20	29,444	7,764	14,377	540
	1986	22	33,561	8,351	14,624	571
	1987	23	39,312	10,264	15,504	662
	1988	23	56,071	14,682	18,215	806
<b>NONDURABLE GOODS - TOTAL</b>	1984	861	6,101,553	1,195,741	17,893	66,824
	1985	890	5,821,309	1,185,887	18,811	63,039
	1986	900	6,015,948	1,211,300	20,309	59,643
	1987	936	6,262,568	1,234,314	21,243	58,102
	1988	952	7,072,817	1,246,288	21,548	57,837
Food & Kindred Products	1984	198	695,905	112,990	14,327	7,886
	1985	200	749,004	117,633	14,401	8,168
	1986	195	761,596	121,121	15,055	8,045
	1987	200	881,544	125,990	16,010	7,869
	1988	202	869,689	128,679	17,265	7,453
Textile Mill Products	1984	67	440,886	108,534	15,011	7,230
	1985	70	378,024	106,126	15,766	6,731
	1986	67	439,772	111,313	16,786	6,631
	1987	71	424,250	114,806	17,171	6,686
	1988	71	434,290	109,341	17,539	6,234
Apparel	1984	60	255,007	56,066	11,704	4,790
	1985	57	192,085	50,894	11,849	4,295
	1986	62	177,617	51,953	12,034	4,317
	1987	65	129,072	42,621	12,745	3,344
Paper & Allied Products	1984	44	3,136,599	522,106	28,489	18,326
	1985	42	2,982,634	538,289	29,680	18,136
	1986	45	3,090,401	571,628	32,679	17,492
	1987	45	3,254,953	576,847	33,753	17,090
	1988	44	3,841,156	554,476	33,780	16,414
Printing & Publishing	1984	251	206,111	71,567	15,622	4,581
	1985	274	230,587	80,039	16,198	4,941
	1986	289	265,616	88,930	17,732	5,015
	1987	313	286,572	100,349	18,866	5,319
	1988	329	354,032	110,526	19,617	5,634
Chemicals & Allied Products	1984	36	112,106	19,922	21,306	935
	1985	35	112,575	19,659	21,579	911
	1986	34	118,166	19,914	22,450	887
	1987	36	140,141	21,228	22,582	940
	1988	34	145,528	23,010	25,038	919
Petroleum & Coal Products	1984	11	33,106	5,108	21,374	239
	1985	10	36,064	4,995	21,909	228
	1986	10	34,885	5,069	23,357	217
	1987	8	35,866	4,489	23,624	190
	1988	7	33,338	4,939	25,198	196
Rubber & Plastics	1984	44	351,445	63,389	15,667	4,046
	1985	51	328,589	66,591	16,811	3,961
	1986	44	317,174	64,215	17,907	3,586
	1987	43	312,216	66,159	18,678	3,542
	1988	44	352,158	71,446	18,390	3,885
Leather & Leather Products	1984	95	840,549	225,635	12,608	17,895
	1985	88	775,402	190,058	12,961	14,663
	1986	83	771,487	165,455	13,228	12,507
	1987	77	754,756	170,140	13,876	12,261
	1988	71	830,084	180,521	14,609	12,356
Miscellaneous	1984	55	29,839	10,423	11,632	896
	1985	63	36,345	11,604	11,546	1,005
	1986	71	39,233	11,702	12,369	946
	1987	78	43,200	11,686	13,572	861
	1988	78	52,800	14,654	14,580	1,005

# APPENDIX E

## Census of Maine manufactures by County, 1984-1988

Industry	Year	Number Reporting	Value of Product (Thousands)	Gross Wages (Thousands)	Average Wages	Total Employment
<b>I-95 CORRIDOR</b>	1984	1,208	\$ 5,850,766	\$ 1,374,109	\$ 18,554	74,056
	1985	1,232	5,502,791	1,372,613	19,461	70,528
	1986	1,242	5,822,330	1,448,103	20,959	69,092
	1987	1,295	6,209,061	1,514,899	21,863	69,289
	1988	1,356	6,831,883	1,606,087	22,311	71,985
Androscoggin	1984	206	707,943	176,128	14,609	12,056
	1985	207	702,892	175,771	15,758	11,154
	1986	205	710,914	175,297	16,618	10,548
	1987	208	744,084	183,187	17,228	10,633
	1988	213	786,435	194,553	18,035	10,787
Cumberland	1984	370	1,616,420	335,088	19,106	17,538
	1985	390	1,445,035	358,035	20,047	17,859
	1986	399	1,514,850	384,727	21,753	17,686
	1987	420	1,624,188	394,245	22,583	17,457
	1988	437	1,793,046	399,903	23,362	17,117
Kennebec	1984	135	605,587	157,183	18,616	8,443
	1985	132	582,829	153,989	19,318	7,971
	1986	136	620,873	159,194	20,488	7,770
	1987	144	635,456	167,048	21,717	7,692
	1988	151	691,627	178,646	20,911	8,543
Penobscot	1984	227	1,291,040	280,083	19,657	14,248
	1985	239	1,239,622	278,649	20,491	13,598
	1986	236	1,226,811	281,979	22,112	12,752
	1987	248	1,345,859	290,654	23,420	12,410
	1988	255	1,571,607	280,031	22,955	12,199
Sagadahoc	1984	41	492,958	185,707	23,817	7,797
	1985	43	436,458	161,829	25,719	6,292
	1986	42	584,708	197,880	26,244	7,540
	1987	39	623,191	209,649	25,962	8,075
	1988	43	677,820	263,483	26,435	9,967
York	1984	229	1,136,819	239,920	17,169	13,974
	1985	221	1,095,955	244,339	17,895	13,654
	1986	224	1,164,174	249,025	19,461	12,796
	1987	236	1,236,284	270,116	20,743	13,022
	1988	257	1,310,842	289,471	21,647	13,372



**APPENDIX E (Continued)**

<u>Industry</u>	<u>Year</u>	<u>Number Reporting</u>	<u>Value of Product (Thousands)</u>	<u>Gross Wages (Thousands)</u>	<u>Average Wages</u>	<u>Total Employment</u>
<b><u>EASTERN</u></b>	1984	228	\$ 649,779	\$ 98,816	\$ 20,104	4,915
	1985	227	611,564	104,115	20,299	5,129
	1986	232	648,017	106,454	21,863	4,869
	1987	237	691,887	117,840	23,260	5,066
	1988	249	776,373	123,485	23,489	5,257
Hancock	1984	134	389,854	56,383	21,862	2,579
	1985	131	360,302	61,613	21,778	2,829
	1986	139	390,316	63,568	23,605	2,693
	1987	146	399,805	72,480	25,629	2,828
	1988	153	434,661	75,690	25,096	3,016
Washington	1984	94	259,925	42,433	18,164	2,336
	1985	96	251,262	42,503	18,479	2,300
	1986	93	257,700	42,885	19,708	2,176
	1987	91	292,082	45,360	20,267	2,238
	1988	96	341,712	47,795	21,327	2,241
<b><u>MIDCOAST</u></b>	1984	275	378,073	78,053	14,091	5,539
	1985	279	386,465	78,792	14,642	5,381
	1986	296	417,570	81,182	15,205	5,339
	1987	308	454,414	92,318	16,508	5,592
	1988	316	419,798	96,508	18,253	5,287
Knox	1984	119	195,517	41,472	14,982	2,768
	1985	125	212,712	40,912	15,225	2,687
	1986	124	236,267	43,473	15,774	2,756
	1987	124	266,117	49,143	17,402	2,824
	1988	124	256,305	53,694	18,932	2,836
Lincoln	1984	80	55,238	13,762	15,497	888
	1985	85	54,359	15,789	16,327	967
	1986	95	49,545	14,437	17,911	806
	1987	97	57,708	17,498	18,189	962
	1988	98	62,767	18,272	18,934	965
Waldo	1984	76	127,318	22,819	12,118	1,883
	1985	69	119,395	22,091	12,791	1,727
	1986	77	131,758	23,272	13,096	1,777
	1987	87	130,589	25,677	14,217	1,806
	1988	94	100,726	24,542	16,515	1,486
<b><u>NORTHERN</u></b>	1984	229	712,632	113,418	17,934	6,324
	1985	223	708,419	118,569	17,973	6,597
	1986	231	726,618	123,956	18,393	6,739
	1987	227	756,787	128,252	19,503	6,576
	1988	234	890,181	127,220	19,745	6,443
Aroostook	1984	229	712,632	113,418	17,934	6,324
	1985	223	708,419	118,569	17,973	6,597
	1986	231	726,618	123,956	18,393	6,739
	1987	227	756,689	128,252	19,503	6,576
	1988	234	890,181	127,220	19,745	6,443

**APPENDIX E (Continued)**

<u>Industry</u>	<u>Year</u>	<u>Number Reporting</u>	<u>Value of Product (Thousands)</u>	<u>Gross Wages (Thousands)</u>	<u>Average Wages</u>	<u>Total Employment</u>
<b>WESTERN</b>	1984	551	\$ 1,827,059	\$ 352,504	\$ 18,156	19,415
	1985	532	1,746,565	347,032	19,111	18,158
	1986	552	1,865,493	350,985	20,060	17,496
	1987	535	1,959,884	360,488	20,030	17,731
	1988	548	2,342,109	383,144	21,376	17,924
Franklin	1984	102	507,726	100,136	20,779	4,819
	1985	100	483,174	94,991	21,877	4,342
	1986	108	533,863	92,113	21,963	4,194
	1987	111	506,324	95,813	23,431	4,089
	1988	115	626,608	111,297	24,247	4,590
Oxford	1984	197	515,026	111,859	18,599	6,014
	1985	193	491,419	110,298	20,025	5,508
	1986	197	490,180	106,990	21,161	5,056
	1987	186	545,574	112,028	20,924	5,354
	1988	193	598,399	122,349	22,338	5,477
Piscataquis	1984	98	183,368	37,741	14,339	2,632
	1985	89	132,252	38,021	14,657	2,594
	1986	89	159,515	39,714	15,968	2,487
	1987	81	153,566	42,100	16,445	2,560
	1988	85	182,762	46,779	17,493	2,674
Somerset	1984	154	620,939	102,768	17,271	5,950
	1985	150	639,720	103,721	18,152	5,714
	1986	158	681,935	112,168	19,476	5,759
	1987	157	754,419	110,548	19,299	5,728
	1988	155	934,339	102,719	19,818	5,183

## APPENDIX F

### Raw and Adjusted Data Comparisons, 1988-1989

The data on the following table has been adjusted using two major price indexes published by the U.S. Department of Labor, Bureau of Labor Statistics. The Value of Product data is adjusted by the Producer Price Index, (formerly the Wholesale Price Index) using a base year of 1982 = 100 unless noted. Wage data is adjusted by the Consumer Price Index for Urban Wage Earners and Clerical Workers and the base year is 1982-84 = 100. The adjustments made are based on the annual average for the respective index.

The Consumer Price Index is a monthly statistical measure of the average change in prices in a fixed market basket of goods and services.

The CPI is based on prices of food, clothing, shelter, fuel, drugs, transportation fares, doctors' and dentists' fees, and other goods and services that people buy for day-to-day living. The quantity and quality of these items is kept essentially unchanged between major revisions so that only price changes will be measured. Prices are collected from over 18,000 tenants, 24,000 retail establishments, and 18,000 housing units for property taxes in 85 urban areas across the country. All taxes directly associated with the purchase and use of items are included in the index.

Though the CPI is often called the "Cost-of-Living Index", it measures only price change, which is just one of several important factors affecting living costs.

#### CPI-W

1988 Annual Average = 117.0  
1989 Annual Average = 122.6

Producer Price Indexes measure average changes in prices received in primary markets of the United States by producers of commodities in all stages of processing. The sample used for calculating these indexes contains about 2,800 commodities produced in the manufacturing, agriculture, forestry, fishing, mining, gas and electricity, and public utilities sectors. The universe includes all commodities produced or imported for sale in commercial transactions in primary markets in the United States.

To the extent possible, prices used in calculating Producer Price Indexes apply to the first significant commercial transaction in the United States, from the production or central marketing point. Price data are generally collected monthly, primarily by mail questionnaire. Most prices are obtained directly from producing companies on a voluntary and confidential basis. Prices generally are reported for the Tuesday of the week containing the 13th day of the month.

	PPI	
	1988	1989
<b>Total Manufactures</b>	109.1	114.3
<b>Durable Goods</b>	114.1	118.3
* Transportation Equipment	107.8	112.1
* Lumber & Wood Products	109.2	115.3
* Electric & Electronic Equipment	104.6	107.1
<b>Nondurable Goods</b>	104.1	110.2
* Pulp, Paper, & Allied Products	113.7	120.8
* Leather	113.4	118.0
* Food & Kindred Products	107.1	112.2

\* Adjusted by Producer Price Index based on December, 1984 = 100.

MAINE MANUFACTURING WITH SELECTED MAJOR INDUSTRIES, RAW & ADJUSTED (1982=100) DATA, 1988-1989

	YEAR	VALUE OF PRODUCT PPI		GROSS WAGES CPI		AVERAGE GROSS WAGES	
		RAW (Millions)	ADJUSTED (Millions)	RAW (Millions)	ADJUSTED (Millions)	RAW	CPI ADJUSTED
<b>TOTAL MANUFACTURING</b>	1989	\$11,305.9	\$9,891.4	\$2,476.6	\$2,020.1	\$23,470	\$19,144
	1988	\$11,262.7	\$10,323.3	\$2,336.9	\$1,997.4	\$21,857	\$18,681
	Percent Change	0.4 %	-4.2 %	6.0 %	1.1 %	7.4 %	1.5 %
<b><u>Durable Goods</u></b>	1989	\$4,028.8	\$3,405.6	\$1,142.3	\$931.7	\$23,336	\$19,034
	1988	\$4,189.8	\$3,672.0	\$1,090.6	\$932.1	\$22,221	\$18,992
	Percent Change	-3.8 %	-7.3 %	4.8 %	0.0 %	4.7 %	0.2 %
<b>Transportation Equipment</b>	1989	\$1,327.7	\$1,184.4	\$406.5	\$331.6	\$26,429	\$21,557
	1988	\$1,084.0	\$1,005.6	\$348.5	\$297.9	\$26,159	\$22,358
	Percent Change	22.4 %	17.8 %	16.6 %	11.3 %	1.0 %	-3.6 %
<b>Lumber &amp; Wood Products</b>	1989	\$973.7	\$844.5	\$222.9	\$181.8	\$18,454	\$15,052
	1988	\$1,120.0	\$1,025.6	\$233.6	\$199.7	\$17,753	\$15,174
	Percent Change	-13.1 %	-17.7 %	-4.6 %	-9.0 %	3.9 %	-0.8 %
<b>Electric &amp; Electronic Equipment</b>	1989	\$729.0	\$680.7	\$223.1	\$182.0	\$23,454	\$19,131
	1988	\$958.0	\$915.9	\$230.4	\$196.9	\$21,899	\$18,717
	Percent Change	-23.9 %	-25.7 %	-3.2 %	-7.6 %	7.1 %	2.2 %
<b><u>Nondurable Goods</u></b>	1989	\$7,277.0	\$6,603.4	\$1,334.3	\$1,088.3	\$23,586	\$19,238
	1988	\$7,072.8	\$6,794.2	\$1,246.3	\$1,065.2	\$21,548	\$18,417
	Percent Change	2.9 %	-2.8 %	7.1 %	2.2 %	9.5 %	4.5 %
<b>Paper</b>	1989	\$4,024.8	\$3,331.8	\$630.5	\$514.3	\$35,697	\$29,117
	1988	\$3,841.2	\$3,378.4	\$554.5	\$473.9	\$33,780	\$28,872
	Percent Change	4.8 %	-1.4 %	13.7 %	8.5 %	5.7 %	0.8 %
<b>Leather</b>	1989	\$871.1	\$738.2	\$182.8	\$149.1	\$15,790	\$12,879
	1988	\$830.1	\$732.0	\$180.5	\$154.3	\$14,609	\$12,486
	Percent Change	4.9 %	0.8 %	1.3 %	-3.4 %	8.1 %	3.1 %
<b>Food</b>	1989	\$852.4	\$759.7	\$127.9	\$104.3	\$18,702	\$15,254
	1988	\$869.7	\$812.0	\$128.7	\$110.0	\$17,265	\$14,756
	Percent Change	-2.0 %	6.4 %	-0.6 %	-5.2 %	8.3 %	3.4 %



**APPENDIX G**

**Comments Form**

Your comments about this material will help us to improve our publications. We are interested in any feedback concerning its usefulness. Requests for additional copies will be filled subject to availability. (See Appendix H.) Requests for further details on this subject should be sent to the Bureau Director at the address below. These requests are subject to confidentiality restrictions.

Please indicate your position or title: \_\_\_\_\_

How suitable is this material for your own requirements?

\_\_\_ Very Suitable      \_\_\_ Suitable      \_\_\_ Not Suitable

What information not presently covered should be included? \_\_\_\_\_

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Additional comments: \_\_\_\_\_

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Please return this page to:

Maine Department of Labor  
Bureau of Labor Standards  
Research & Statistics Division  
State House Station #45  
Augusta, ME 04333

If you wish to receive a reply, please include your and mailing address

## **APPENDIX H**

### **Order Form**

The following items are available without charge from:

Maine Department of Labor  
Bureau of Labor Standards  
Research & Statistics Division  
State House Station #45  
Augusta, ME 04333

PUBLICATIONS (some years may be out of print)

- ☐ Occupational Injuries and Illnesses in Maine (publication began with 1975)
- ☐ Characteristics of Work-Related Injuries and Illnesses in Maine (began 1977)
- ☐ Census of Maine Manufactures (began 1945)
- ☐ Directory of Maine Labor Organizations (available for current year only)
- ☐ Maine Construction Wage Rates (began 1983)
- ☐ Labor Relations in Maine (began 1983)

#### OSHA RECORD-KEEPING MATERIALS

- ☐ Log & Summary of Occupational Injuries & Illnesses, OSHA No. 200
- ☐ Poster: Safety and Health Protection on the Job
- ☐ Record-keeping Requirements Guidelines

#### CONSULTATION PROGRAM

- ☐ Pamphlet: Maine's On-Site Safety & Health Consultation Program
- ☐ Please contact me concerning an on-site safety & health consultation
- ☐ My phone number is \_\_\_\_\_
- ☐ Pamphlet: Occupational Safety and Training Program

MAILING LABEL: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_