

MAINE DEPARTMENT OF
LABOR

BUREAU OF LABOR STANDARDS

Research and Statistics Division

**Census
of
Maine
Manufactures
1988**



John R. McKernan, Jr.
Governor



James McGowan
Acting Commissioner

William Peabody
Acting Director

DEPARTMENT OF LABOR
Bureau of Labor Standards
Research & Statistics Division

A U T H O R I Z A T I O N

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."

C O V E R A G E

This survey, insofar as possible, is of universal coverage for Maine manufacturing establishments ranging from the single proprietorships to the largest corporations. Reports covering 2,701 establishments were received since the original mailing in May of 1989. Of these, 122 either did not operate or went out of business during 1988. 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 1988 represent a comprehensive and valid statistical analysis of the Maine manufacturing economy.

William A. Peabody
Acting Director
Bureau of Labor Standards

C E N S U S O F M A I N E M A N U F A C T U R E S - 1988

BLS Bulletin 623

CENSUS OF MAINE MANUFACTURES

1988

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

The contents of this publication are considered to be in the public domain and may be reproduced without permission. We do request, however, that appropriate citation be made.

CENSUS OF MAINE MANUFACTURES
1988

TABLE OF CONTENTS

	<u>Page</u>
Authorization	i
Coverage	i

NARRATIVE

Census of Maine Manufactures, 1988--Appreciation	ii
Maine Production Value	1
Manufacturing Employment	4
Union Coverage	6
Gross Wages	8
Average Wages	10
Capital Expenditures	12
Foreign Imports	14
Foreign Exports	15
Value of Manufacturing Product by County Group	16

FIGURES

Figure 1. Value of Manufacturing Product in Current and Constant Dollars, Maine 1978-1988	1
Figure 2. Value of Manufacturing Product, Percentage by Major Industry Group, Maine 1978 & 1988	2
Figure 3. Value of Manufacturing Product by Major Industry Group, Maine 1978, 1987 & 1988	3
Figure 4. Manufacturing Employment, Maine 1978-1988	4
Figure 5. Manufacturing Employment, Percentage by Major Industry Group, Maine 1978 & 1988	5
Figure 6. Manufacturing Employment by Major Industry Group, Maine 1978, 1987 & 1988	5

TABLE OF CONTENTS (Continued)

Figure 7.	Manufacturing Employment, Percentage Covered by Union Contracts, Maine 1978 & 1988.....	7
Figure 8.	Manufacturing Employment by Major Industry Group, Percentage Covered by Union Contracts, Maine 1978, 1987 & 1988.....	7
Figure 9.	Gross Manufacturing Wages in Current and Constant Dollars, Maine 1978-1988.....	8
Figure 10.	Gross Manufacturing Wages by Major Industry Group, Maine 1978, 1987 & 1988.....	9
Figure 11.	Average Manufacturing Wages in Current and Constant Dollars, Maine 1978-1988.....	10
Figure 12.	Average Manufacturing Wages by Major Industry Group, Maine 1978, 1987 & 1988.....	11
Figure 13.	Capital Expenditures in Manufacturing in Current and Constant Dollars, Maine 1978-1988.....	13
Figure 14.	Capital Expenditures in Manufacturing by Major Industry Group, Maine 1978, 1987 & 1988.....	13
Figure 15.	Imports Used in Manufacturing by Major Industry Group, Maine 1984-1988.....	14
Figure 16.	Manufacturing Exports by Major Industry Group, Maine 1984-1988.....	15
Figure 17.	Value of Manufacturing Product by County Group, Maine 1978, 1987 & 1988.....	16
Figure 18.	Value of Manufacturing Product Index by County Group, Maine 1978-1988.....	17
Figure 19.	Regional Contribution to the Change in Value of Manufacturing Product by County Group, Maine 1978-1988 and 1987-1988.....	17

TABLES

Table 1.	Census of Maine Manufactures by Major Industry, 1988.....	18
Table 2.	Maine Capital Expenditures & Foreign Exports by Major Industry, 1988.....	19
Table 3.	Census of Maine Manufactures by Major Industry and Industrial Groups, 1988.....	20

TABLE OF CONTENTS (Continued)

Table 4.	Census of Maine Manufactures by County, 1988.....	25
Table 5.	Maine Capital Expenditures & Foreign Exports by County, 1988.....	26
Table 6.	Census of Maine Manufactures by County, Major Industry & Minor Civil Division, 1988.....	27
Table 7.	Census of Maine Manufactures by Economic Area, 1988.....	36
Table 8.	Maine Capital Expenditures by Economic Area, 1988..	37
Table 9.	Census of Maine Manufactures by Economic Area & Major Industry, 1988.....	38
Table 10.	Census of Maine Manufactures by Plant Size, 1988...	44

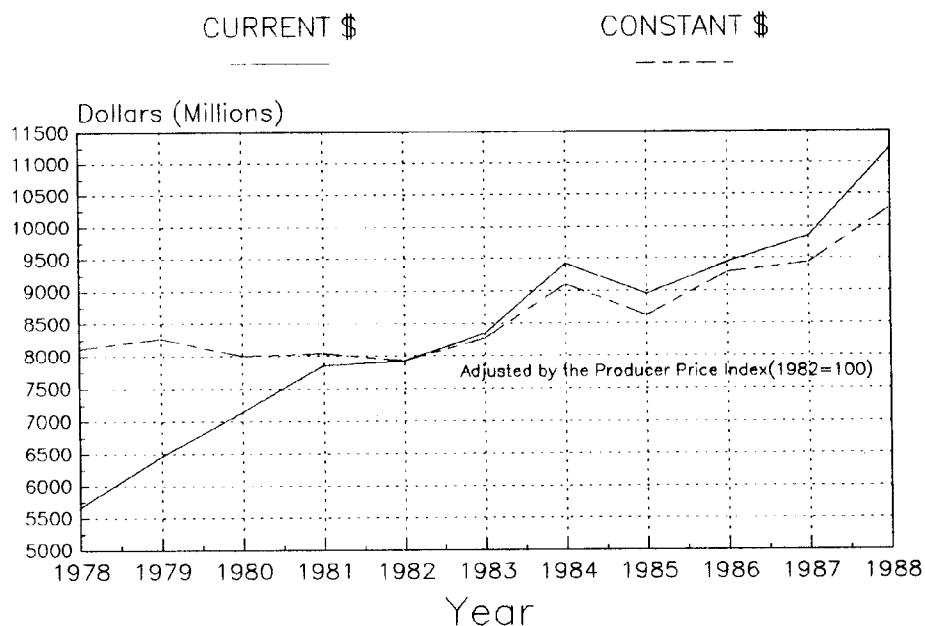
APPENDICES

Appendix A.	Technical Notes and Definitions.....	45
Appendix B.	Major Industry Descriptions, 1972 SIC.....	48
Appendix C.	Geographic Definitions of Economic Areas.....	53
Appendix D.	Census of Maine Manufactures by Major Industry Group, 1983-1987.....	56
Appendix E.	Census of Maine Manufactures by County, 1983-1987.....	59
Appendix F.	Raw and Adjusted Data Comparisons, 1987-1988.....	62
Appendix G.	Comments Form.....	64
Appendix H.	Order Form.....	65

Maine Production Value

Maine's gross value of manufacturing product for 1988 reached \$11,223.6 million. This was an increase of 12.0 percent over the 1987 reported value of product. In terms of constant dollars (using the Producer Price Index as a deflator), the value of Maine manufactures rose by 7.1 percent. (See Appendix F.)

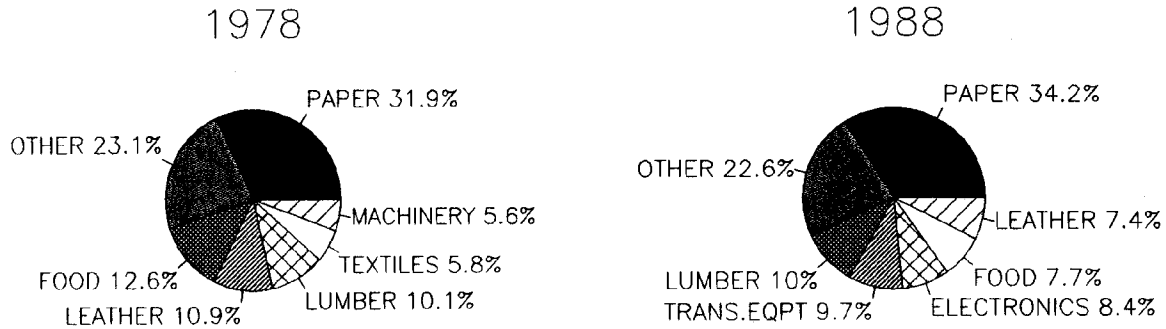
Figure 1. Value of Manufacturing Product
in Current and Constant Dollars
Maine 1978-1988



The gross value of product for Durable and Nondurable Goods rose 11.0 percent and 12.7 percent, respectively.

The Paper industry, which dominates the state's value of product, had a \$3,841.2 million share of the manufacturing value in 1988.

Figure 2. Value of Manufacturing Product, Percentage
by Major Industry Group
Maine 1978 & 1988



The graphs above show the top producing manufacturing industries as a percent of all manufacturing for 1978 and 1988, respectively.

The Lumber & Wood Products group remained in the second position with a 10.0 percent share or \$1,119.9 million. The Transportation Equipment group remained in the third spot in 1988 with 9.7 percent or \$1,083.8 million of the manufacturing value of product.

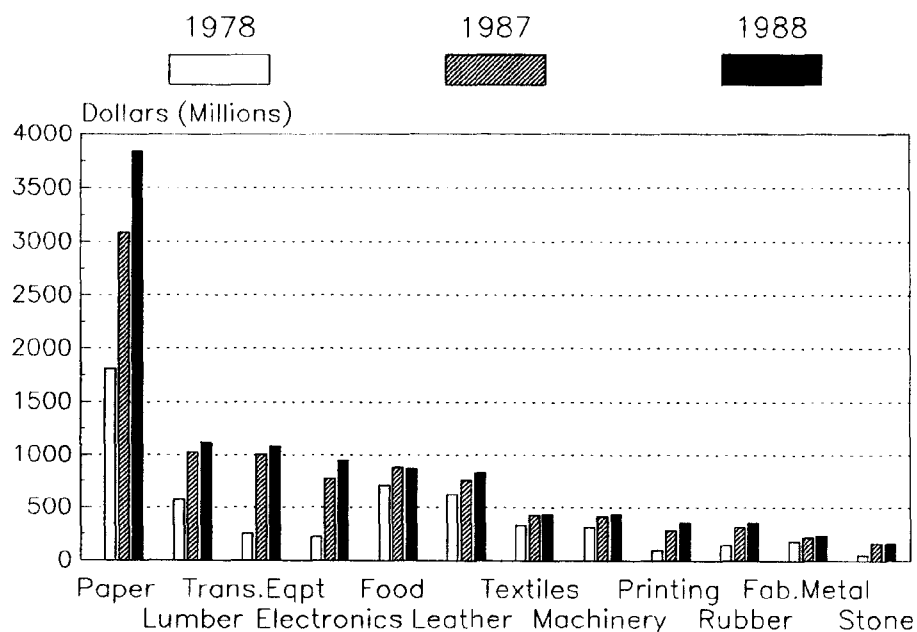
The industries with the largest percent share in the Durable Goods category were Lumber & Wood, 27.0 percent; Transportation, 26.1 percent; and Electric & Electronic Equipment, 22.8 percent.

The Groups with the largest share in the Nondurable Goods category were Paper, 34.2 percent or \$3,841.2 million; Food, 12.3 percent or \$869.7 million; and Leather, 11.7 percent or \$830.1 million.

The groups that experienced the largest percent gains in value of product in 1988 were Precision Instruments, Paper, and Printing & Publishing with increases of 42.6 percent, 18.3 percent, and 23.7 percent, respectively.

The only groups to suffer a drop in production were Petroleum & Coal Products and Food which fell 7.0 percent and 1.3 percent, respectively.

Figure 3. Value of Manufacturing Product
by Major Industry Group
Maine 1978, 1987 & 1988



Manufacturing Employment

Employment in Maine manufacturing increased overall by 2.5 percent, from 104,356 to 107,003 workers in 1988.

The Paper industry, once again, held the top spot with 15.3 percent of the overall employment; however, employment in the Paper industry slipped from 16,934 in 1987 to 16,414 in 1988.

The Transportation group moved up into the second position in 1988 with a 12.5 percent (13,329) share of the overall employment.

The Lumber & Wood Products group slipped one position to third with a 12.3 percent share or 13,157 workers employed.

Figure 4.

Manufacturing Employment
Maine 1978-1988



Figure 5. Manufacturing Employment, Percentage
by Major Industry Group
Maine 1978 & 1988

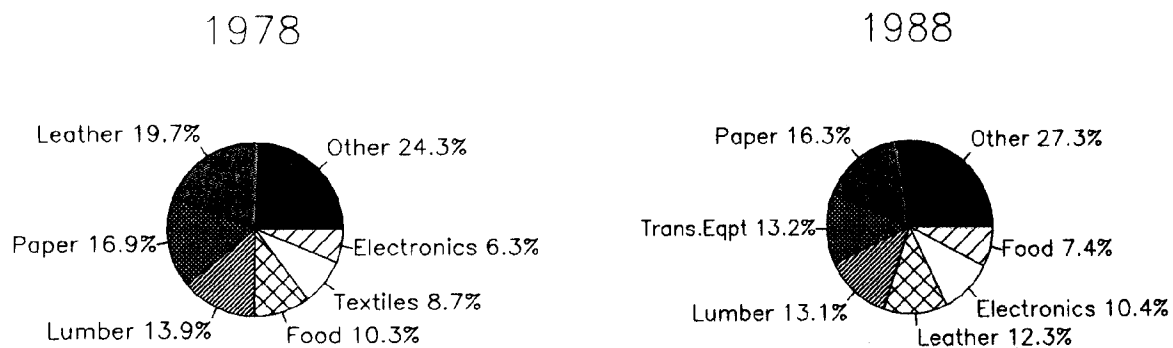
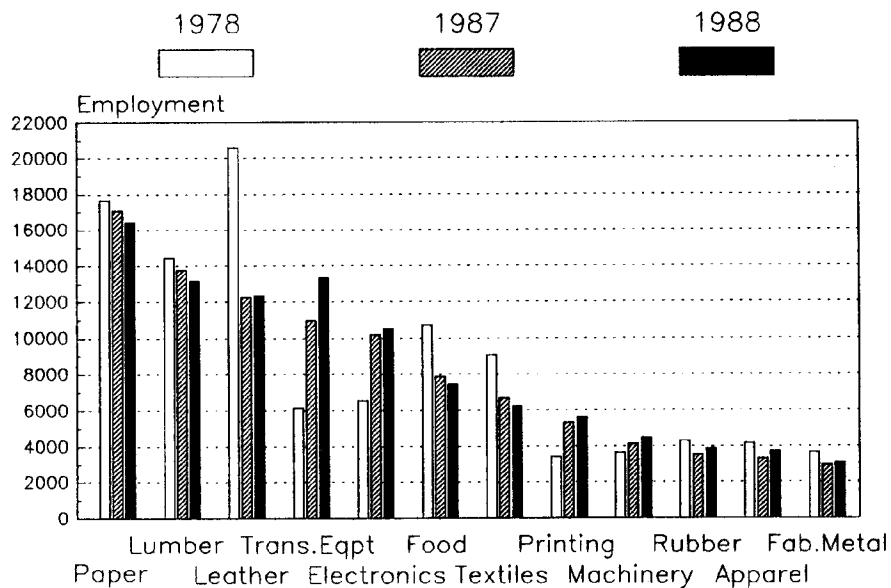


Figure 6. Manufacturing Employment
by Major Industry Group
Maine 1978, 1987 & 1988



Employment by males and females increased 3.0 percent and 1.6 percent, respectively in 1988 to 71,902 for males and 35,101 for females.

Males comprised 67.2 percent of Maine's manufacturing employment while females made up 32.8 percent.

Union Coverage

The number of unionized manufacturing workers in Maine rebounded in 1988 with a 9.3 percent increase to 30,513 members after a drop in 1987 to 27,926 due to disruptions in the Paper and Apparel industries.

The percentage of unionized manufacturing workers increased by 1.7 percent to reach 28.5 percent of the overall manufacturing employment. This compares with 1978 figures when 33.1 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 78.5 percent, rebounding from 68.0 percent in 1987.

The Transportation and Lumber & Wood groups followed with a 25.3 percent and 6.6 percent share, respectively of all unionized manufacturing workers.

Figure 7.

Manufacturing Employment
Percentage Covered by Union Contracts
Maine 1978 & 1988

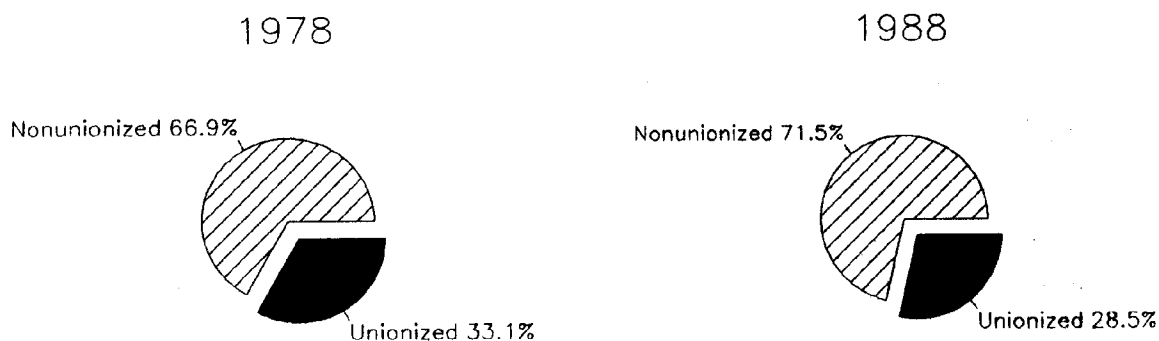
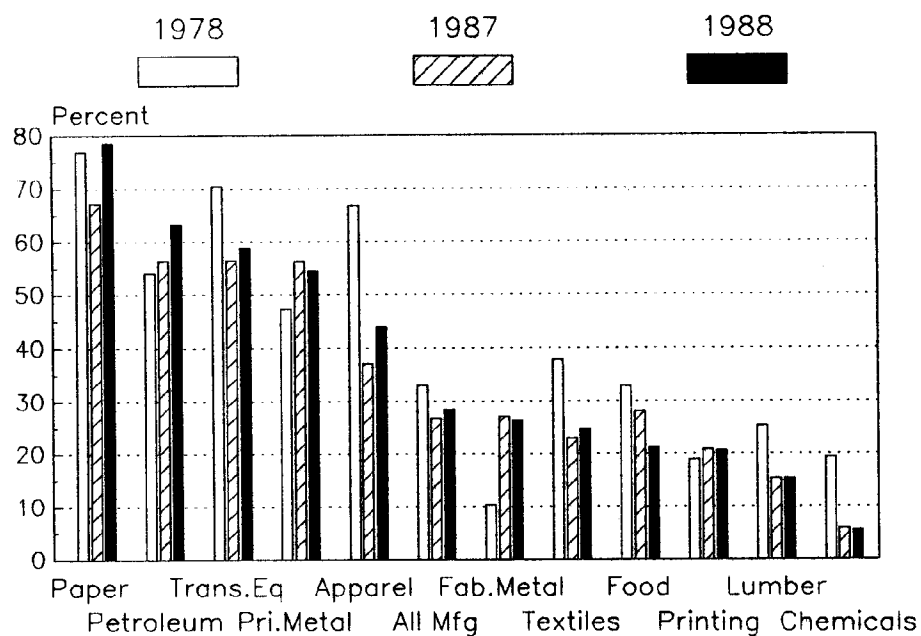


Figure 8. Manufacturing Employment by Major Industry Group, Percentage Covered by Union Contracts
Maine 1978, 1987 & 1988



Gross Wages

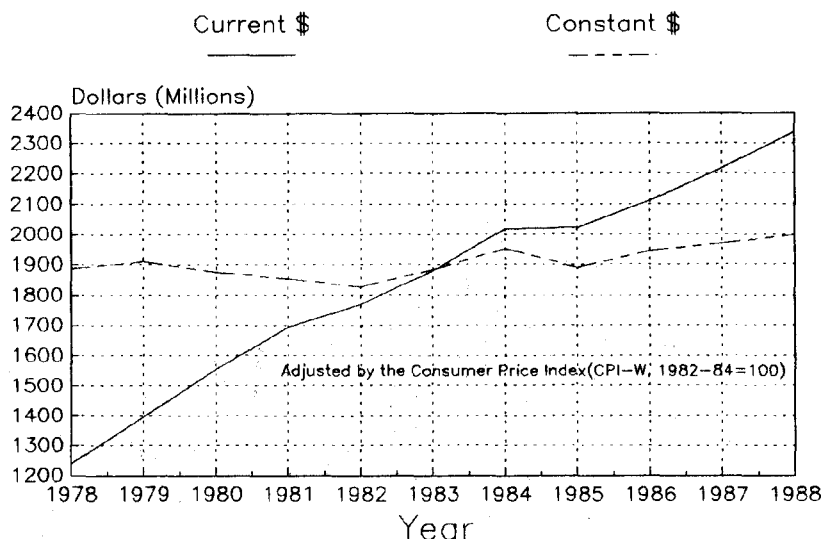
Gross wages in Maine manufacturing increased 5.5 percent, to \$2,338.1 million in 1988.

The Paper industry accounted for 23.7 percent of the overall manufacturing wages in the state, paying out \$554.4 million in gross wages. Although this was a decrease of 3.2 percent, the Paper industry remained in the top spot. The Transportation and Lumber & Wood Products industry followed with \$348.6 million and \$233.6 million paid, accounting for 14.9 percent and 10.0 percent, respectively, of overall gross wages.

The largest increases in gross wages in 1988 occurred in the Transportation group, \$65.4 million; Electric & Electronic group, \$17.3 million; and Nonelectric Machinery group, \$17.2 million.

Figure 9.

Gross Manufacturing Wages in Current and Constant Dollars Maine 1978-1988

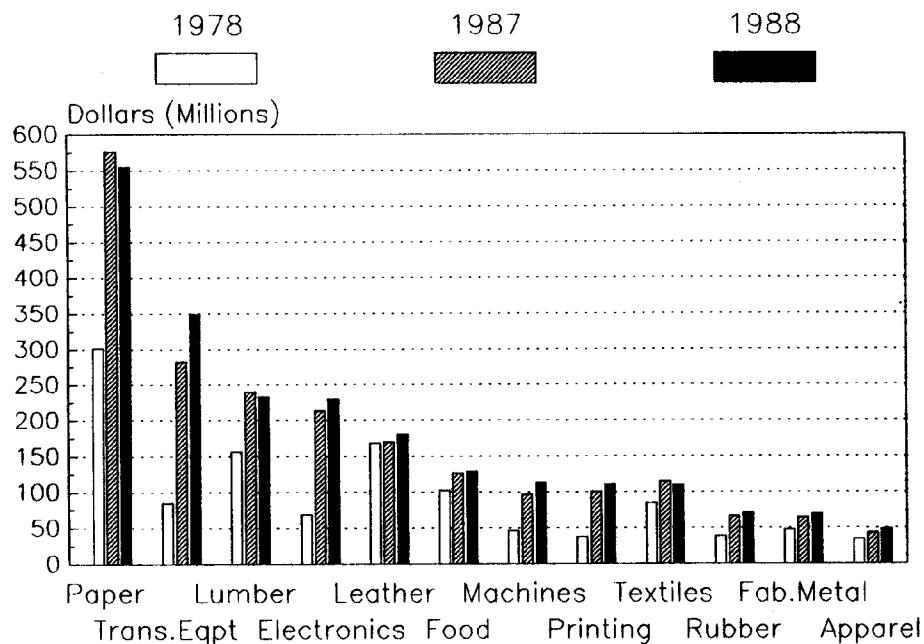


The largest percent increases in gross wages for major industries were in the Precision Instruments and the Transportation Equipment groups which rose 43.0 percent (\$65.4 million) and 21.3 percent (\$4.4 million), respectively.

The largest percent drop in gross wages occurred in the Textile industry which fell 4.8 percent or \$5.5 million.

Figure 10.

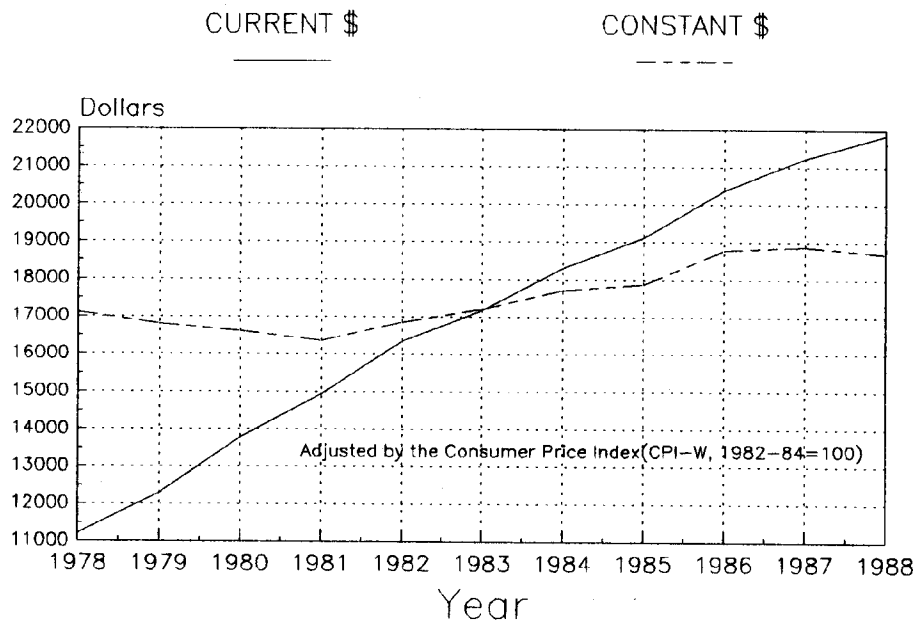
Gross Manufacturing Wages
by Major Industry Group
Maine 1978, 1987 & 1988



Average Wages

The average yearly wage for Maine manufacturing workers increased by \$618.00 (2.9 percent) to \$21,851.00 in 1988. Offsetting the increase in wages, however, was a rise in the annual average Consumer Price Index of 4.5 percent between the two years. (See Appendix F.) As a result, Maine manufacturing workers had a 1.6 percent decrease in buying power.

Figure 11. Average Manufacturing Wages
in Current and Constant Dollars
Maine 1978-1988

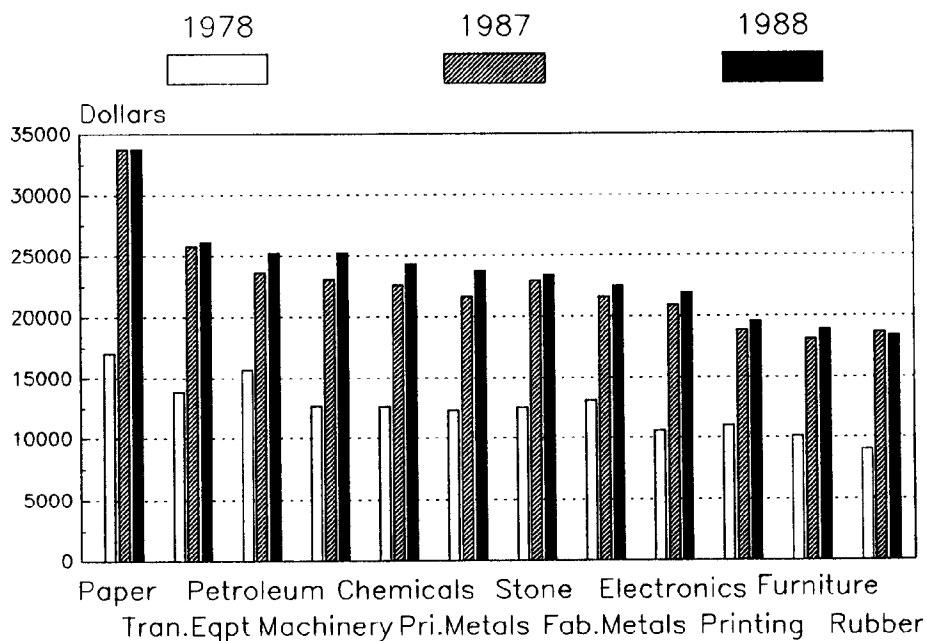


The Paper industry paid out the highest reported average wages, \$33,780.00, which was 154.6 percent of the Maine manufacturing average for 1988, while the Apparel industry paid out the lowest average wages, \$13,016.00 or 59.6 percent of the overall average.

The highest percent increase in average wages for the year occurred in the Precision Instruments, Primary Metals, and Non-electric Machinery groups which rose 17.5 percent, \$2,710.00; 9.8 percent, \$2,124.00; and 9.1 percent, \$2,098.00, respectively.

The only industries to suffer a drop in average wages were the Rubber & Plastics group (1.0 percent) and the Paper group (0.1 percent).

Figure 12. Average Manufacturing Wages
by Major Industry Group
Maine 1978, 1987 & 1988



Capital Expenditures

Capital expenditures for 1988 were up 61.4 percent to \$968.8 million, an increase of \$368.7 million over 1987 figures.

Capital expenditures for Durable Goods rose 210.6 percent over 1987 to \$470.3 million. At the same time, capital expenditures for Nondurable Goods rose 11.1 percent to \$498.5 million in 1988.

Substantial gains in capital expenditures occurred in the Nonelectric Machinery, Leather, and Lumber & Wood industries which recorded increases of \$318.9 million, 2,569.5 percent; \$18.3 million, 410.0 percent; and \$17.8 million, 33.7 percent, respectively.

Decreases in capital expenditures occurred in the Transportation, Petroleum & Coal, and Furniture industries which dropped \$9.8 million, 30.2 percent; \$2.2 million, 67.5 percent; and \$1.5 million, 46.1 percent, respectively.

Figure 13. Capital Expenditures in Manufacturing
in Current and Constant Dollars
Maine 1978-1988

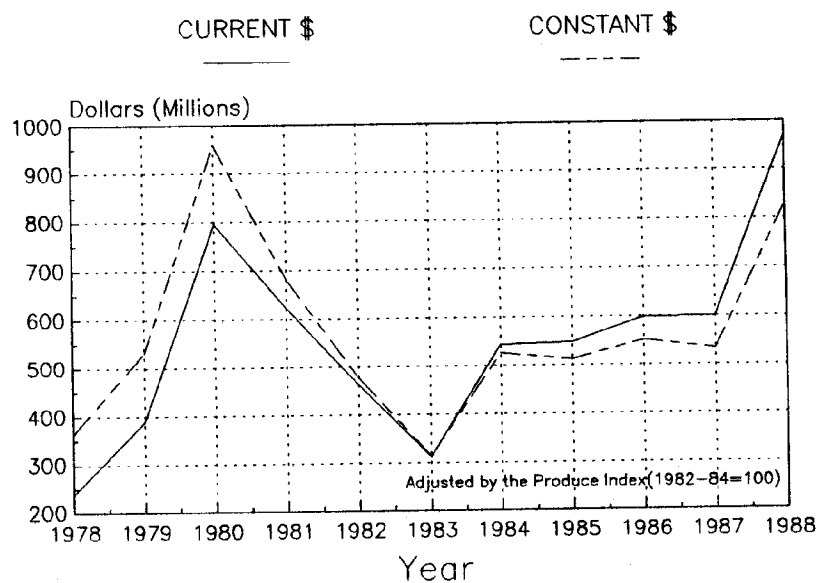
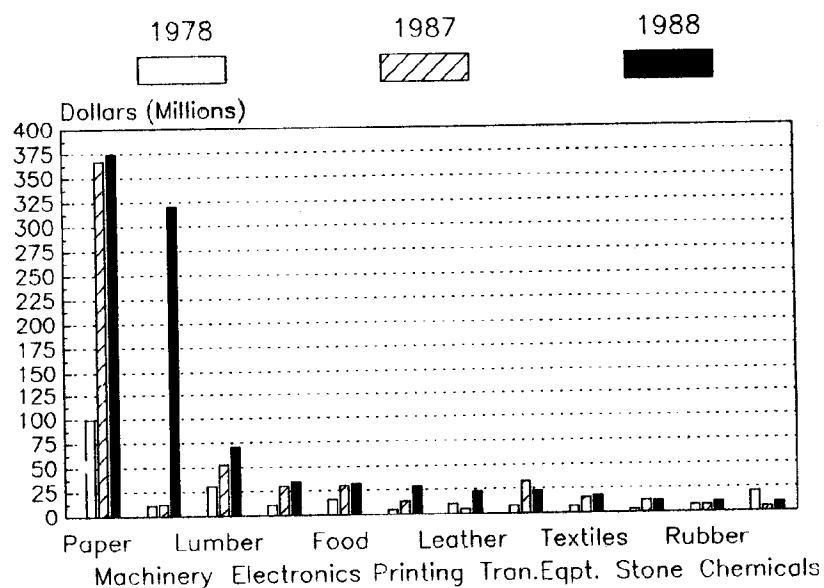


Figure 14. Capital Expenditures in Manufacturing
by Major Industry Group
Maine 1978, 1987 & 1988

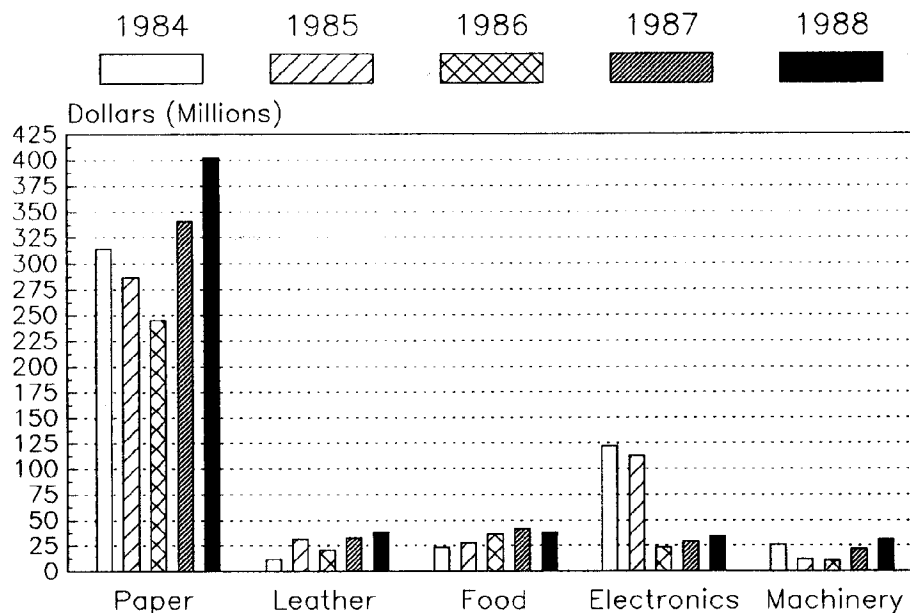


Foreign Imports

Imports used in the manufacturing process increased by 11.8 percent, to \$631.2 million in 1988, after a drop in 1986 and just a slight gain in 1987. This increase was due mainly to the Nonelectric Machinery and Paper groups which rose 42.6 percent (\$9.3 million) and 18.0 percent (\$61.3 million), respectively.

The Paper industry had the largest share of expenditures for imports overall in 1988 accounting for 63.8 percent of all imported materials used in manufacturing.

Figure 15. Imports Used in Manufacturing
by Major Industry Group
Maine 1984-1988

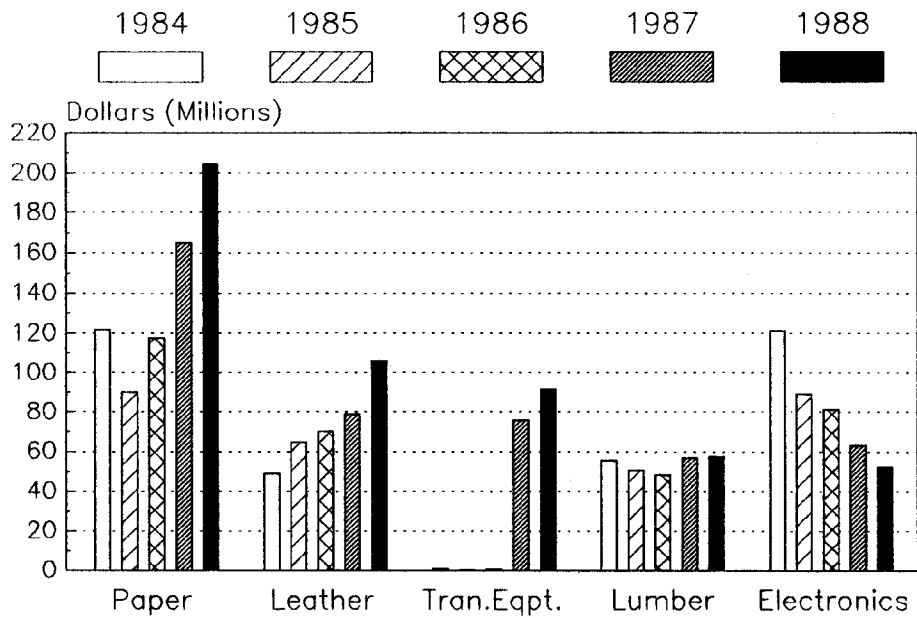


Foreign Exports

Exports to other countries by Maine manufacturers amounted to \$720.2 million, a 34.0 percent increase from 1987. This change was due mainly to the Electric & Electronic Equipment group, the Leather group, and the Paper group which rose 47.0 million, 74.3 percent; \$27.3 million, 34.5 percent; and \$39.6 million, 24.0 percent, respectively.

Figure 16.

Manufacturing Exports by Major Industry Group Maine 1984-1988



Value of Manufacturing Product by County Group

For 1988, the I-95 Corridor remained the top producing area. (See Table 4.) It contained the only three counties in Maine that recorded over one billion dollars in manufacturing product: Cumberland, \$1.76 billion; Penobscot, \$1.57 billion; and York, \$1.31 billion. These three counties contributed to \$6.8 billion for this area.

Following the I-95 Corridor was the Western group of counties, which totaled \$2.33 billion.

Over the past ten years, the areas with the largest increases in value of product were the Western Area, 126.1 percent; the I-95 Corridor, 99.1 percent; and the Northern area, 87.8 percent;

Figure 17. Value of Manufacturing Product
by County Group
Maine 1978, 1987 & 1988

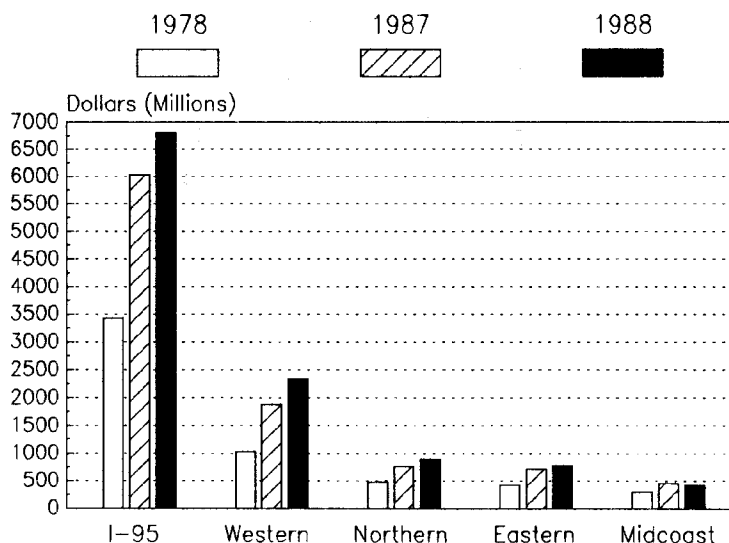


Figure 18. Value of Manufacturing Product Index
by County Group
Maine 1978-1988

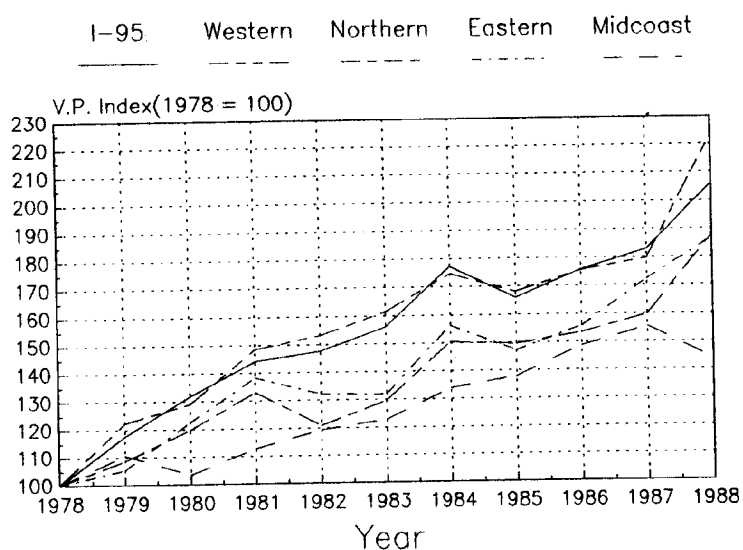


Figure 19. Regional Contribution to the Change in
Value of Manufacturing Product by County Group
Maine 1978-1988 and 1987-1988

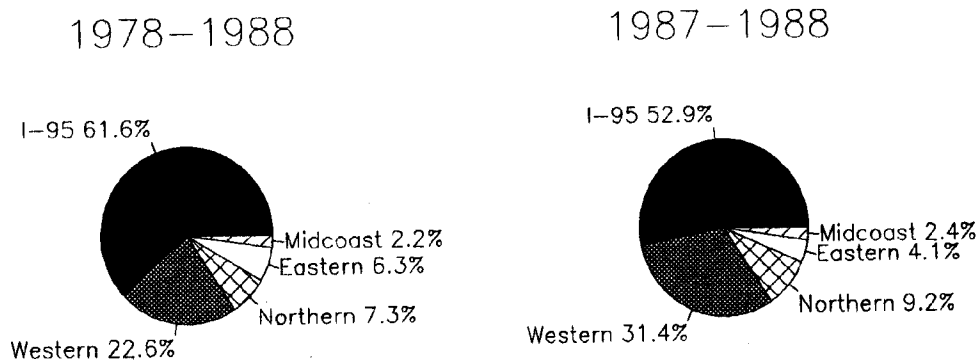


TABLE 1

CENSUS OF MAINE MANUFACTURES BY INDUSTRY, 1988

INDUSTRY	NUMBER REPORTING	VALUE OF PRODUCT			EMPLOYMENT			UNIONIZED WORKERS	WAGES	
		\$	% CHANGE FROM		TOTAL	MALE	FEMALE		GROSS	AVERAGE
			1983	1987						
TOTAL	2,701	11,223,601,543	34.4	12.0	107,003	71,902	35,101	30,513	\$ 2,338,147,261	\$ 21,851
DURABLE GOODS	1,752	4,149,922,200	52.4	11.0	49,091	35,958	13,133	11,335	1,090,721,405	22,218
Lumber & Wood Products (24)	1,026	1,119,907,460	44.3	9.8	13,157	10,586	2,571	2,004	233,578,139	17,753
Furniture (25)	50	78,898,688	103.6	8.9	1,296	945	351	35	24,565,412	18,954
Stone, Clay, & Glass (32)	101	162,760,667	127.7	2.5	1,788	1,538	250	4	41,809,955	23,383
Primary Metals (33)	11	38,420,643	76.9	5.8	605	483	122	329	14,387,384	23,780
Fabricated Metals (34)	122	230,658,064	24.5	6.8	3,098	2,410	688	817	69,653,354	22,483
Nonelectric Machinery (35)	193	431,871,721	79.2	3.3	4,491	3,691	800	131	113,068,023	25,176
Electric & Electronic Eqpt. (36)	61	947,544,152	46.2	22.3	10,521	4,666	5,855	301	230,400,060	21,899
Transportation Equipment (37)	165	1,083,790,274	52.6	7.9	13,329	11,294	2,035	7,714	348,577,145	26,151
Precision Instruments (38)	23	56,070,531	87.0	42.6	806	345	461	0	14,681,933	18,215
NONDURABLE GOODS	949	7,073,679,343	25.7	12.7	57,912	35,944	21,968	19,178	1,247,425,856	21,540
Food (20)	199	869,688,534	35.8	-1.3	7,453	4,728	2,725	1,584	128,679,136	17,265
Textiles (22)	71	434,290,477	20.7	2.2	6,234	3,781	2,453	1,540	109,341,050	17,539
Apparel (23)	72	159,741,334	-27.8	19.4	3,741	1,064	2,677	1,644	48,695,888	13,016
Paper (26)	44	3,841,155,990	40.3	18.3	16,414	14,205	2,209	12,880	554,475,782	33,780
Printing & Publishing (27)	329	353,285,424	94.2	23.7	5,635	3,094	2,541	1,158	110,536,424	19,616
Chemicals (28)	34	147,136,702	39.4	10.6	993	606	387	54	24,138,247	24,308
Petroleum & Coal Products (29)	7	33,338,302	11.8	-7.0	196	185	11	124	4,938,950	25,198
Rubber & Plastics (30)	45	352,158,494	8.6	12.8	3,885	2,283	1,602	0	71,446,182	18,390
Leather (31)	70	830,084,283	-17.1	10.0	12,356	5,534	6,822	194	180,520,582	14,609
Miscellaneous (39)	78	52,799,803	126.5	22.2	1,005	464	541	0	14,653,615	14,580

TABLE 2

MAINE CAPITAL EXPENDITURES & FOREIGN EXPORTS BY MAJOR INDUSTRY, 1988

INDUSTRY	PLANT MODERNIZATION & EQUIPMENT						FOREIGN EXPORTS	
	TOTAL	NEW STRUCTURES	EXISTING STRUCTURES	EQUIPMENT	PLANNED		IMPORTS	EXPORTS
					1990	1991		
TOTAL	\$968,767,829	\$165,803,171	\$20,681,498	\$782,283,160	\$781,555,917	\$698,980,918	\$631,201,223	\$720,246,827
DURABLE GOODS	470,282,050	98,634,763	2,810,266	368,837,021	144,655,133	133,114,053	89,260,150	343,585,520
Lumber & Wood Products (24)	70,689,321	9,968,947	1,238,373	59,482,001	35,951,371	27,220,389	11,465,435	57,514,546
Furniture (25)	1,790,389	898,836	238,400	653,153	1,119,650	1,324,200	442,000	2,473,295
Stone, Clay, & Glass (32)	11,473,562	1,592,789	31,000	9,849,773	3,912,985	3,499,900	1,339,605	367,846
Primary Metals (33)	1,488,612	89,617	0	1,398,995	3,264,000	1,625,000	1,401,000	8,781,359
Fabricated Metals (34)	6,701,485	1,231,649	224,000	5,245,836	5,813,467	5,697,364	8,876,067	13,272,114
Nonelectric Machinery (35)	320,199,092	79,387,596	540,000	240,271,496	12,571,293	12,607,100	31,107,532	52,350,342
Electric & Electronic Eqpt. (36)	34,115,624	2,183,268	501,493	31,430,863	37,784,771	30,674,500	33,860,908	110,208,791
Transportation Equipment (37)	22,642,659	3,206,209	37,000	19,399,450	42,735,096	49,757,600	697,603	91,720,133
Precision Instruments (38)	1,181,306	75,852	0	1,105,454	1,502,500	708,000	70,000	6,897,094
NONDURABLE GOODS	498,485,779	67,168,408	17,871,232	413,446,139	636,900,784	565,866,865	541,941,073	376,661,307
Food (20)	31,685,769	12,852,773	1,574,200	17,258,796	23,179,406	9,284,100	38,069,185	13,381,082
Textiles (22)	17,457,589	4,388,738	65,000	13,003,851	16,258,563	8,893,500	24,521,797	5,101,256
Apparel (23)	2,130,016	944,471	25,000	1,160,545	957,900	645,500	5,564,500	759,500
Paper (26)	374,761,832	37,405,051	0	337,356,781	496,548,097	512,797,250	402,506,601	204,616,210
Printing & Publishing (27)	28,521,591	6,539,807	8,765,325	13,216,459	52,686,992	14,671,515	2,652,624	952,990
Chemicals (28)	8,930,665	1,575,463	433,000	6,922,202	9,096,416	5,844,000	18,897,596	28,409,055
Petroleum & Coal Products (29)	1,050,174	107,000	118,000	825,174	2,405,553	118,000	1,719,790	0
Rubber & Plastics (30)	10,175,569	549,624	9,100	9,616,845	10,566,322	10,014,800	8,958,268	15,799,171
Leather (31)	22,784,410	2,442,810	6,881,607	13,459,993	24,521,985	3,150,000	38,255,489	106,212,468
Miscellaneous (39)	988,164	362,671	0	625,493	679,550	448,200	795,223	1,429,575

Table 3

**CENSUS OF MAINE MANUFACTURES
BY MAJOR INDUSTRY & INDUSTRIAL GROUPS, 1988**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
<u>TOTAL MANUFACTURING</u>	\$ 11,223,601,543	\$2,338,147,261	\$ 21,851	107,003	71,902	35,101
<u>DURABLE GOODS TOTAL</u>	4,149,922,200	1,090,721,405	22,218	49,091	35,958	13,133
<u>24 LUMBER & WOOD PRODUCTS</u>	1,119,907,460	233,578,139	17,753	13,157	10,586	2,571
241 Logging Camps & Contractors	513,787,997	69,433,014	18,609	3,731	3,447	284
2411 Logging Camps & Contractors	513,787,997	69,433,014	18,609	3,731	3,447	284
242 Sawmills & Planing Mills	283,340,317	65,222,424	19,890	3,279	2,928	351
2421 Sawmills & Planing Mills, Gen.	263,374,046	59,878,829	20,291	2,951	2,662	289
2426 Hardwood & Flooring Mills	19,487,606	5,186,375	16,784	309	253	56
2429 Special Product Sawmills, NEC	478,665	157,220	8,274	19	13	6
243 Millwork & Cabinets	74,363,833	20,413,131	17,358	1,176	943	233
2431 Millwork	21,279,364	6,226,627	18,925	329	270	59
2434 Wood Kitchen Cabinets	9,230,709	2,534,430	13,481	188	156	32
2439 Structural Wood Members, NEC	28,752,927	7,455,776	19,315	386	331	55
244 Wood Containers	11,505,861	3,147,302	13,624	231	180	51
2448 Wood Pallets and Skids	5,853,806	1,450,499	14,651	99	83	16
2449 Wood Containers, NEC	3,888,130	1,170,309	12,720	92	62	30
245 Wood Buildings & Mobile Homes	66,898,315	13,460,125	19,311	697	609	88
2451 Mobile Homes	28,311,574	7,072,728	18,042	392	351	41
2452 Prefabricated Wood Buildings	38,586,741	6,387,397	20,942	305	258	47
249 Miscellaneous Wood Products	170,011,137	61,902,143	15,310	4,043	2,479	1,564
2492 Particleboard	30,389,457	7,630,782	22,118	345	309	36
2499 Wood Products, NEC	137,325,430	53,663,213	14,650	3,663	2,138	1,525
<u>25 FURNITURE AND FIXTURES</u>	78,898,688	24,565,412	18,954	1,296	945	351
251 Household Furniture	35,817,181	12,771,434	16,166	790	538	252
2511 Wood Household Furn. ex. Uphol.	32,892,705	11,738,193	16,101	729	502	227
<u>32 STONE, CLAY, GLASS & CONCRETE</u>	162,760,667	41,809,955	23,383	1,788	1,538	250
323 Glass Prod., from Purchased Glass	4,713,749	1,309,409	19,256	68	36	32
3231 Glass Prod., from Purch. Glass	4,713,749	1,309,409	19,256	68	36	32
326 Pottery and Related Products	4,008,488	1,183,201	10,288	115	40	75
3269 Pottery Products, NEC	4,008,488	1,183,201	10,288	115	40	75
327 Concrete, Gypsum & Plaster Product	95,347,422	25,780,237	23,500	1,097	1,013	84
3271 Concrete Block and Brick	8,765,417	3,154,898	22,062	143	125	18
3272 Concrete Products, NEC	31,316,933	8,730,620	22,158	394	359	35
3273 Ready-Mixed Concrete	55,038,072	13,835,739	24,974	554	525	29
328 Cut Stone & Stone Products	684,611	229,983	17,691	13	7	6
3281 Cut Stone & Stone Products	684,611	229,983	17,691	13	7	6
329 Nonmetallic Mineral Products, NEC	2,738,245	518,005	14,389	36	29	7
<u>33 PRIMARY METALS</u>	38,420,643	14,387,384	23,780	605	483	122

**Table 3 (Continued) CENSUS OF MAINE MANUFACTURES
BY MAJOR INDUSTRY & INDUSTRIAL GROUPS, 1988**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
DURABLE GOODS (continued)						
34 FABRICATED METALS	\$ 230,658,064	\$ 69,653,354	\$ 22,483	3,098	2,410	688
342 Cutlery, Hand Tools & Gen. Hdwre.	9,636,887	3,868,013	20,041	193	169	24
3423 Hand & Edge Tools	7,260,494	3,396,297	20,836	163	145	18
3429 Hardware, NEC	2,376,393	471,716	15,723	30	24	6
343 Heating Equipment, except Electric	4,768,492	1,626,058	18,907	86	74	12
344 Structural Metal Products	90,122,797	22,685,196	22,349	1,015	852	163
3441 Structural Metal	41,109,507	9,922,625	22,398	443	402	41
3443 Fabricated Plate Work	15,490,913	4,649,664	26,876	173	154	19
3444 Sheet Metal Work	26,335,838	6,638,835	20,178	329	240	89
3446 Architectural Metal Works	950,702	261,160	16,322	16	14	2
346 Metal Forgings & Stampings	5,908,116	2,017,022	21,010	96	75	21
3469 Metal Stampings, NEC	5,430,922	1,968,953	21,401	92	71	21
349 Fabricated Metal Products, NEC	46,056,108	13,693,615	22,015	622	396	226
3494 Valves and Pipe Fittings	21,262,000	5,950,783	25,872	230	134	96
3496 Wire products, NEC	5,317,300	1,919,271	13,907	138	76	62
35 NONELECTRICAL MACHINERY	431,871,721	113,068,023	25,176	4,491	3,691	800
352 Farm & Garden Machinery & Eqpt.	1,019,688	501,268	14,743	34	30	4
3523 Farm & Garden Machinery & Eqpt.	1,019,688	501,268	14,743	34	30	4
353 Construction Machinery & Equipment	95,857,457	10,006,678	21,896	457	405	52
354 Metalworking Machinery	48,207,549	14,838,172	23,932	620	524	96
3542 Machine Tools, Metal Forming	6,861,338	2,438,982	23,679	103	92	11
3544 Special Dies & Tools	13,632,425	6,937,290	29,520	235	214	21
3545 Machine Tool Accessories, etc.	15,785,915	3,649,015	18,429	198	164	34
355 Special Industry Machinery	27,754,200	9,461,561	25,780	367	319	48
3559 Special Industry Machinery, NEC	13,088,951	5,097,429	24,987	204	182	22
356 Gen. Industrial Machinery & Eqpt.	50,493,134	16,496,829	24,957	661	516	145
358 Refrigeration & Service Machinery	13,691,046	3,229,789	23,924	135	102	33
359 Miscellaneous	82,938,001	28,150,354	24,372	1,155	1,030	125
3599 Nonelectrical Machinery, NEC	82,938,001	28,150,354	24,372	1,155	1,030	125
36 ELECTRIC & ELECTRONIC EQUIPMENT	947,544,152	230,400,060	21,899	10,521	4,666	5,855
361 Electric Trans. & Dist. Eqpt	139,166,407	28,639,152	21,388	1,339	584	755
3613 Switchgear & Switchboard Appar.	139,166,407	28,639,152	21,388	1,339	584	755
363 Household Appliances	25,016,278	11,659,437	19,367	602	368	234
364 Electric Light & Wiring Equipment	43,869,573	10,082,915	16,693	604	167	437
366 Communication Equipment	94,508,058	20,988,874	20,201	1,039	649	390
367 Electronic Components	609,274,974	149,289,459	23,070	6,471	2,731	3,740
3674 Semiconductors & Related Device	361,699,500	83,747,238	27,440	3,052	1,502	1,550
3679 Electric Components, NEC	131,774,219	34,589,528	19,047	1,816	788	1,028
37 TRANSPORTATION EQUIPMENT	1,083,790,274	348,577,145	26,151	13,329	11,294	2,035
371 Motor Vehicles & Motor Vehic. Eqpt.	25,180,912	5,891,994	17,963	328	196	132
379 Misc. Transportation Equipment	6,397,530	1,726,163	18,560	93	77	16
3792 Travel Trailers and Campers	5,588,214	1,541,840	18,802	82	67	15
3799 Transportation Equipment, NEC	809,316	184,323	16,756	11	10	1

**Table 3 (Continued) CENSUS OF MAINE MANUFACTURES
BY MAJOR INDUSTRY & INDUSTRIAL GROUPS, 1988**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
<u>DURABLE GOODS (continued)</u>						
38 PRECISION INSTRUMENTS	\$ 56,070,531	\$ 14,681,933	\$ 18,215	806	345	461
381 Engineering & Research Equipment	29,583,989	7,631,668	24,539	311	219	92
3811 Engineering & Research Eqpt.	29,583,989	7,631,668	24,539	311	219	92
384 Surgical, Medical, & Dental	11,411,592	4,724,756	14,857	318	87	231
3842 Orthopedic & Surgical Supplies	8,478,353	3,460,635	14,241	243	67	176
<u>NONDURABLE GOODS TOTAL</u>	7,073,679,343	1,247,425,856	21,540	57,912	35,944	21,968
20 FOOD	869,688,534	128,679,136	17,265	7,453	4,728	2,725
201 Meat Products	87,936,580	14,452,150	17,164	842	526	316
2013 Sausage & Other Prepared Meat	37,560,084	6,202,911	21,537	288	199	89
2016 Poultry Dressing Plants	26,442,381	6,243,764	20,606	303	162	141
202 Dairy Products	119,044,038	14,396,318	20,536	701	519	182
203 Preserved Fruits & Vegetables	240,723,772	31,060,801	15,766	1,970	1,204	766
2033 Canned Fruits, Veg., Preserves	36,548,596	2,821,656	21,705	130	57	73
2034 Dried and Dehydrated Fruits	936,262	399,605	21,031	19	17	2
2035 Picked Fruits and Vegetables	364,826	32,745	4,093	8	6	2
2037 Frozen Fruits & Vegetables	147,683,776	22,158,462	14,568	1,521	905	616
204 Grain Mill Products	66,375,910	5,629,443	22,076	255	212	43
2046 Wet Corn Milling	23,928,360	3,397,517	24,981	136	119	17
2048 Prepared Feeds and Ingrid., NEC	42,044,357	2,139,410	19,627	109	89	20
205 Bakery Products	146,987,688	26,189,295	20,637	1,269	961	308
2051 Perishable Bakery Products	146,987,357	26,189,295	20,637	1,269	961	308
208 Beverages	81,611,072	12,255,912	23,256	527	438	89
2086 Bottled and Canned Soft Drinks	54,766,033	9,724,694	24,311	400	342	58
209 Miscellaneous	122,952,382	23,613,397	12,981	1,819	832	987
2091 Canned & Cured Seafood	59,984,528	12,136,529	12,197	995	372	623
22 TEXTILES	434,290,477	109,341,050	17,539	6,234	3,781	2,453
222 Weaving Mills, Synthetics	104,124,925	27,599,668	18,350	1,504	958	546
2221 Broad Woven Fabrics, Synth.	104,124,925	27,599,668	18,350	1,504	958	546
223 Weaving & Finishing Mills, Wool	132,666,461	32,777,983	18,189	1,802	1,186	616
2231 Broad Woven Fabrics, Wool	132,666,461	32,777,983	18,189	1,802	1,186	616
224 Narrow Fabrics	23,479,993	6,094,083	17,562	347	167	180
2241 Narrow Fabrics	23,479,993	6,094,083	17,562	347	167	180
225 Knitting Mills	31,565,615	3,943,993	15,053	262	115	147
227 Floor Covering Mills	1,610,000	786,877	13,804	57	25	32
228 Yarn & Thread Mills	59,635,026	18,288,812	15,766	1,160	643	517
2283 Yarn Mills Wool, Carpet & Rug	32,182,471	10,006,170	15,958	627	338	289
229 Miscellaneous	65,178,242	14,729,719	18,275	806	527	279
2298 Cordage & Twine	20,198,459	5,980,058	18,687	320	201	119
2299 Textile Goods, NEC	4,249,660	618,757	13,451	46	22	24

**Table 3 (Continued) CENSUS OF MAINE MANUFACTURES
BY MAJOR INDUSTRY & INDUSTRIAL GROUPS, 1988**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
NONDURABLE GOODS (continued)						
23 APPAREL	\$ 159,741,334	\$ 48,695,888	\$ 13,016	3,741	1,064	2,677
233 Women's Outerwear	3,984,701	2,234,390	10,690	209	21	188
2339 Women, Junior Outerware, NEC	3,301,281	1,851,101	10,888	170	16	154
236 Children's Outerwear	1,460,047	648,146	11,370	57	9	48
238 Misc. Apparel & Accessories	17,432,006	5,105,275	13,650	374	103	271
239 Fabricated Textile Products, NEC	60,316,045	13,334,006	14,948	892	406	486
2393 Textile Bags	1,871,216	417,493	10,182	41	4	37
2394 Canvas & Related Products	7,482,843	2,204,818	15,637	141	81	60
2399 Fabric., Textile Products, NEC	684,699	701,349	10,164	69	29	40
26 PAPER	3,841,155,990	554,475,782	33,780	16,414	14,205	2,209
262 Paper Mills, except Building Mills	3,354,064,792	474,548,359	35,699	13,293	11,839	1,454
2621 Paper Mills, exc. Building Mills	3,354,064,792	474,548,359	35,699	13,293	11,839	1,454
264 Miscellaneous Converted Paper	158,883,699	32,785,950	23,638	1,387	892	495
2643 Bags, Except Textile Bags	16,999,849	4,025,112	21,640	186	139	47
2648 Stationery, Tablets & Related	6,437,411	580,584	12,901	45	13	32
2649 Converted Paper, Paperboard, NEC	845,087	188,083	11,755	16	12	4
27 PRINTING & PUBLISHING	353,285,424	110,536,424	19,616	5,635	3,094	2,541
271 Newspapers	154,080,399	55,506,983	20,053	2,768	1,474	1,294
2711 Newspapers, Pub. & Printing	154,080,399	55,506,983	20,053	2,768	1,474	1,294
272 Magazines & Periodicals	21,315,941	5,020,272	21,005	239	85	154
2721 Magazines	21,315,941	5,020,272	21,005	239	85	154
273 Books	14,985,852	5,329,597	19,739	270	112	158
274 Miscellaneous	1,093,873	219,778	14,651	15	5	10
2741 Publishing, Miscellaneous	1,093,873	219,778	14,651	15	5	10
275 Commercial Printing	148,919,972	41,551,716	19,148	2,170	1,358	812
2752 Lithographic	108,970,865	28,996,731	19,279	1,504	963	541
278 Blankbooks, Bookbinding & Related	4,406,233	368,131	13,147	28	11	17
279 Service Industries	2,581,310	1,198,833	17,893	67	20	47
2791 Typesetting	2,581,310	1,198,833	17,893	67	20	47
28 CHEMICALS	147,136,702	24,138,247	24,308	993	606	387
281 Industrial Inorganic Chemicals	56,271,698	6,214,332	28,375	219	196	23
283 Drugs	59,906,639	11,486,344	28,083	409	227	182
2831 Biological Products	7,569,592	2,299,808	24,466	94	39	55
284 Cleaning Preparations, etc.	14,275,586	3,083,122	17,719	174	59	115
2842 Special Cleaning Preparations	1,267,601	398,633	20,980	19	15	4
286 Industrial Organic Chemicals	1,844,530	345,450	23,030	15	7	8
287 Agricultural Chemicals	8,815,702	1,064,363	16,894	63	53	10
29 PETROLEUM & COAL PRODUCTS	33,338,302	4,938,950	25,198	196	185	11
295 Paving & Roofing Materials	33,338,302	4,938,950	25,198	196	185	11
2951 Paving Mixtures & Blocks	33,338,302	4,938,950	25,198	196	185	11

**Table 3 (Continued) CENSUS OF MAINE MANUFACTURES
BY MAJOR INDUSTRY & INDUSTRIAL GROUPS, 1988**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
NONDURABLE GOODS (continued)						
30 RUBBER & PLASTICS	\$ 352,158,494	\$ 71,446,182	\$ 18,390	3,885	2,283	1,602
307 Plastic Products	284,257,114	53,478,969	19,230	2,781	1,734	1,047
3079 Miscellaneous Plastic Products	284,257,114	53,478,969	19,230	2,781	1,734	1,072
31 LEATHER & LEATHER PRODUCTS	830,084,283	180,520,582	14,609	12,356	5,534	6,822
311 Leather Tanning & Finishing	226,054,262	25,813,278	21,210	1,217	1,015	202
3111 Leather Tanning & Finishing	226,054,262	25,813,278	21,210	1,217	1,015	202
314 Footwear, Except Rubber	574,434,163	142,355,409	13,878	10,257	4,212	6,045
3142 House Slippers	15,374,458	4,539,068	12,504	363	115	248
3143 Men's Footwear, exc. Athletic	232,417,322	62,596,619	15,185	4,122	1,801	2,321
3144 Women's Footwear, exc. Athletic	210,355,286	42,295,841	12,986	3,257	1,291	1,966
3149 Footwear Except Rubber, NEC	116,287,097	32,923,881	13,091	2,515	1,005	1,510
39 MISCELLANEOUS	52,799,803	14,653,615	14,580	1,005	464	541
394 Toys & Sporting Goods	22,082,366	5,623,263	14,272	394	201	193
395 Pens, Pencils, and Other Materials	12,600,246	3,982,604	12,930	308	96	212
399 Miscellaneous	10,526,822	2,746,057	20,492	134	96	38
3993 Signs and Advertising Displays	6,971,918	2,364,571	23,645	100	79	21

TABLE 4

CENSUS OF MAINE MANUFACTURES BY COUNTY, 1988

INDUSTRY	NUMBER REPORTING	VALUE OF PRODUCT			EMPLOYMENT			UNIONIZED WORKERS	WAGES	
		\$	% CHANGE FROM		TOTAL	MALE	FEMALE		GROSS	AVERAGE
			1983	1987						
TOTAL	2,701	11,223,601,543	34.4	12.0	107,003	71,902	35,101	30,513	\$ 2,338,147,261	\$ 21,851
I-95 CORRIDOR	1,351	6,802,131,950	32.1	12.2	72,063	48,561	23,502	21,749	1,607,239,441	22,303
Androscoggin	212	786,434,565	18.9	13.0	10,864	6,560	4,304	799	195,695,518	18,013
Cumberland	435	1,763,382,694	37.8	14.6	17,118	11,049	6,069	3,447	399,912,570	23,362
Kennebec	150	691,626,911	30.1	8.8	8,543	5,368	3,175	4,023	178,645,612	20,911
Penobscot	255	1,571,875,597	36.5	18.1	12,199	8,849	3,350	4,209	280,030,962	22,955
Sagadahoc	43	677,819,945	32.0	8.8	9,967	8,623	1,344	7,833	263,483,495	26,435
York	256	1,310,992,248	29.4	6.0	13,372	8,112	5,260	1,438	289,471,284	21,647
EASTERN	247	776,464,708	41.4	12.2	5,265	3,868	1,397	1,955	123,588,932	23,473
Hancock	153	434,624,942	31.8	8.7	3,024	2,298	726	1,188	75,794,139	25,064
Washington	94	341,839,766	55.9	17.0	2,241	1,570	671	767	47,794,793	21,327
MIDCOAST	317	419,735,061	22.4	-7.5	5,288	3,138	2,150	930	96,519,841	18,252
Knox	126	256,355,195	45.1	-3.9	2,837	1,709	1,128	450	53,705,793	18,930
Lincoln	97	62,766,815	42.0	8.8	965	552	413	0	18,272,163	18,935
Waldo	94	100,613,051	-17.6	-22.4	1,486	877	609	480	24,541,885	16,515
NORTHERN	230	889,849,789	44.8	17.6	6,443	4,679	1,764	1,675	127,220,347	19,746
Aroostook	230	889,849,789	44.8	17.6	6,443	4,679	1,764	1,675	127,220,347	19,746
WESTERN	554	2,333,111,568	38.1	24.2	17,924	11,636	6,288	4,204	383,144,071	21,376
Franklin	115	626,669,651	22.0	24.2	4,590	3,023	1,567	1,595	111,297,312	24,247
Oxford	197	599,258,395	24.2	8.2	5,477	3,722	1,755	1,452	122,349,058	22,338
Piscataquis	86	183,384,275	14.5	8.8	2,674	1,666	1,008	157	46,778,916	17,493
Somerset	156	923,799,247	73.1	41.7	5,183	3,225	1,958	1,000	102,718,785	19,818

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

TABLE 5

MAINE CAPITAL EXPENDITURES & FOREIGN EXPORTS BY COUNTY, 1988

AREA	PLANT MODERNIZATION & EQUIPMENT						FOREIGN EXPORTS	
	TOTAL	NEW STRUCTURES	EXISTING STRUCTURES	EQUIPMENT	PLANNED		IMPORTS	EXPORTS
					1990	1991		
TOTAL	\$ 968,767,829	\$165,803,171	\$20,681,498	\$ 782,283,160	\$ 781,555,917	\$ 698,980,918	\$ 631,201,223	\$ 720,246,827
I-95 CORRIDOR	629,096,380	115,695,333	17,499,049	495,901,998	350,439,297	281,652,459	241,706,475	512,168,470
Androscoggin	33,897,933	5,684,566	213,021	28,000,346	24,206,642	25,823,649	17,065,984	23,599,557
Cumberland	435,906,111	91,998,608	15,597,504	328,309,999	109,530,248	25,279,665	88,324,259	158,979,651
Kennebec	36,859,491	6,996,250	264,517	29,598,724	31,204,528	32,027,750	31,350,173	2,961,867
Penobscot	69,934,135	2,754,000	76,400	67,103,735	114,370,950	127,333,895	88,671,602	96,890,901
Sagadahoc	8,695,285	2,814,621	0	5,880,664	17,837,602	12,799,100	640,600	2,555,988
York	43,803,425	5,447,288	1,347,607	37,008,530	53,289,327	58,388,400	15,653,857	227,180,506
EASTERN	128,121,548	20,885,688	44,100	107,191,760	86,219,397	50,250,915	107,586,423	79,116,155
Hancock	72,101,222	15,491,430	39,100	56,570,692	44,232,902	37,004,915	92,575,642	4,090,486
Washington	56,020,326	5,394,258	5,000	50,621,068	41,986,495	13,246,000	15,010,781	75,025,669
MIDCOAST	23,559,743	3,258,146	1,492,000	18,809,597	15,668,162	12,033,000	30,142,641	39,810,364
Knox	15,101,748	1,433,886	228,000	13,439,862	9,522,062	8,195,500	28,939,141	27,774,569
Lincoln	3,330,460	767,516	227,000	2,335,944	3,562,200	2,942,600	409,500	11,648,295
Waldo	5,127,535	1,056,744	1,037,000	3,033,791	2,583,900	894,900	794,000	387,500
NORTHERN	39,372,201	10,959,520	628,493	27,784,188	49,867,128	30,391,917	168,418,356	25,122,355
Aroostook	39,372,201	10,959,520	628,493	27,784,188	49,867,128	30,391,917	168,418,356	25,122,355
WESTERN	148,617,957	15,004,484	1,017,856	132,595,617	279,361,933	324,652,627	83,187,328	61,721,026
Franklin	65,171,504	2,562,883	0	62,608,621	57,749,535	110,775,700	29,078,364	15,134,574
Oxford	15,483,425	3,896,405	718,500	10,868,520	7,400,213	4,439,643	15,145,018	6,759,331
Piscataquis	8,633,431	2,391,325	102,000	6,140,106	6,656,257	2,210,850	6,933,885	14,390,899
Somerset	59,329,597	6,153,871	197,356	52,978,370	207,555,928	207,226,434	32,030,061	25,436,222
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, 1988**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
ANDROSCOGGIN (01)	\$ 786,434,565	\$ 195,695,518	\$ 18,013	10,864	6,560	4,304
Major Industry						
DURABLE GOODS	196,303,901	60,307,725	21,370	2,822	2,077	745
Lumber & Wood Products (24)	23,797,326	5,367,466	15,335	350	298	52
Stone, Clay, & Glass (32)	23,876,403	6,375,938	21,324	299	259	40
Fabricated Metals (34)	21,242,365	5,247,425	22,141	237	204	33
Nonelectrical Machinery (35)	20,147,164	5,839,452	21,389	273	226	47
Electric & Electronic Eqpt. (36)	62,847,580	20,318,335	22,181	916	510	406
NONDURABLE GOODS	590,130,664	135,387,793	16,835	8,042	4,483	3,559
Food (20)	109,387,588	17,840,577	20,435	873	652	221
Textiles (22)	79,577,931	19,232,294	18,126	1,061	682	379
Apparel (23)	1,486,784	1,120,155	11,314	99	43	56
Paper (26)	124,989,134	18,122,525	22,444	807	536	271
Printing & Publishing (27)	42,181,174	15,635,151	19,841	778	442	346
Rubber & Plastics (30)	152,600,730	31,984,692	16,521	1,936	1,095	841
Leather (31)	76,763,525	29,259,292	12,445	2,351	957	1,394
Minor Civil Division						
Auburn (010)	359,528,315	73,215,608	20,136	3,636	2,328	1,308
Lewiston (050)	330,413,292	96,383,842	16,495	5,843	3,292	2,551
Lisbon (060)	51,446,622	16,556,984	18,943	874	580	294
Livermore Falls (080)	12,879,706	3,062,709	17,401	176	108	68
Mechanic Falls (090)	10,631,730	2,333,404	21,807	107	88	19
Poland (110)	1,151,140	129,574	14,397	9	8	1
ARROSTOOK (03)	889,520,882	127,123,455	19,739	6,440	4,676	1,764
Major Industry						
DURABLE GOODS	310,341,462	53,399,751	17,115	3,120	2,480	640
Lumber & Wood Products (24)	288,088,600	43,138,052	18,278	2,360	2,136	224
Stone, Clay, & Glass (32)	3,893,909	1,708,690	18,741	89	81	8
Machinery, Except Electrical (35)	1,208,561	530,670	13,606	39	34	5
NONDURABLE GOODS	579,179,420	73,723,704	22,205	3,320	2,196	1,124
Food (20)	141,974,651	19,461,548	16,313	1,193	792	401
Chemicals (28)	12,781,068	2,090,946	13,756	152	54	98
Minor Civil Division						
Allagash Plt. (010)	2,726,915	628,685	14,968	42	38	4
Ashland (030)	33,892,463	6,281,555	17,115	367	307	60
Caribou (080)	17,064,246	7,744,388	12,695	610	204	406
Fort Kent (200)	53,918,393	13,156,845	18,222	722	522	200

Table 6 (Continued) CENSUS OF MAINE MANUFACTURES
BY COUNTY, MAJOR INDUSTRY & MINOR CIVIL DIVISION, 1988

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
AROOSTOOK (03) (continued)						
<u>Minor Civil Division (continued)</u>						
Houlton (300)	\$ 32,744,458	\$ 10,423,842	\$ 16,598	628	474	154
Howland (310)	19,285,091	2,536,403	18,513	137	117	20
Waterford (330)	2,000,860	423,119	20,148	21	20	1
Lincoln (380)	540,589	92,528	11,566	8	8	0
Masardis (400)	4,053,571	132,560	14,728	9	8	1
Orient (490)	3,712,037	426,802	10,670	40	39	1
Portage Lake (520)	5,588,213	1,629,775	19,635	83	77	6
Presque Isle (530)	75,500,644	14,342,622	15,776	906	543	363
Reed Pit. (540)	5,275,370	1,494,974	14,656	102	97	5
St. Francis (560)	104,384,371	929,000	15,483	60	56	4
Sherman (580)	4,961,093	759,836	13,330	57	41	16
Smyrna (590)	4,576,142	537,336	10,333	52	42	10
Van Buren (610)	3,601,388	1,756,909	15,411	114	102	12
Weston (670)	521,910	213,690	12,570	17	17	0
CUMBERLAND (05)	1,763,382,694	399,912,570	23,362	17,118	11,049	6,069
<u>Major Industry</u>						
DURABLE GOODS	826,418,447	199,063,866	23,882	8,335	5,513	2,822
Lumber & Wood Products (24)	66,566,488	17,813,970	18,594	958	740	218
Furniture & Fixtures (25)	3,703,726	1,298,864	17,792	73	50	23
Stone, Clay, & Glass (32)	18,508,622	3,432,698	20,311	169	154	15
Primary Metals (33)	2,148,622	597,529	17,574	34	28	6
Fabricated Metals (34)	57,258,426	15,011,918	24,291	618	481	137
Nonelectrical Machinery (35)	226,537,695	56,324,471	25,509	2,208	1,692	516
Electric & Electronic Eqpt. (36)	410,461,234	93,186,802	25,036	2,051	2,051	1,671
Transportation Equipment (37)	15,623,611	5,450,534	20,413	267	222	45
Measuring Instruments (38)	25,610,023	5,947,080	20,793	286	95	191
NONDURABLE GOODS	936,964,247	200,848,704	22,867	8,783	5,536	3,247
Food (20)	302,745,792	41,179,364	21,063	1,955	1,419	536
Printing & Publishing(27)	115,384,004	37,610,110	21,046	1,787	998	789
Chemicals & Allied Products (28)	19,979,920	5,964,207	26,044	229	108	121
Rubber & Plastics (30)	45,083,365	7,444,821	22,091	337	243	94
Leather (31)	101,631,878	28,726,822	17,336	1,657	671	986

**Table 6 (Continued) CENSUS OF MAINE MANUFACTURES
BY COUNTY, MAJOR INDUSTRY & MINOR CIVIL DIVISION, 1988**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
CUMBERLAND (05) (continued)						
<u>Minor Civil Division (continued)</u>						
Baldwin (010)	\$ 5,925,689	\$ 1,411,977	\$ 18,578	76	72	4
Bridgton (020)	52,095,844	9,467,580	15,965	593	269	324
Brunswick (030)	62,274,592	14,100,525	17,803	792	319	473
Cumberland (060)	4,312,975	501,415	13,195	38	26	12
Falmouth (070)	4,073,386	897,732	19,515	46	33	13
Freeport (080)	62,958,907	14,601,617	15,650	933	400	533
Gorham (090)	46,161,046	16,183,775	21,958	737	555	182
Gray (100)	47,229,099	2,460,834	13,301	185	108	77
Naples (130)	758,279	215,522	14,368	15	10	5
New Gloucester (140)	3,755,083	910,386	21,171	43	40	3
Portland (170)	476,094,901	102,613,055	22,636	4,533	3,147	1,386
Raymond (190)	25,782,142	8,792,313	23,508	374	306	68
Scarborough (200)	78,457,654	19,746,538	20,633	957	650	307
South Portland (220)	282,308,994	63,665,225	26,113	2,438	1,376	1,062
Westbrook (240)	450,539,908	112,858,185	28,306	3,987	2,901	1,086
Windham (250)	16,053,344	6,343,301	22,900	277	212	65
Yarmouth (260)	28,186,940	6,532,874	20,351	321	186	135
FRANKLIN (07)	626,669,651	111,297,312	24,247	4,590	3,023	1,567
<u>Major Industry</u>						
DURABLE GOODS	56,916,553	17,392,767	14,727	1,181	761	420
Lumber & Wood Products (24)	51,949,014	16,007,367	14,739	1,086	712	374
Machinery, Except Electrical (35)	983,737	371,181	13,256	28	19	9
NONDURABLE GOODS	569,753,098	93,904,545	27,546	3,409	2,262	1,147
<u>Minor Civil Division</u>						
Eustis (060)	14,012,279	2,070,547	16,176	128	119	9
Farmington (070)	24,648,616	5,976,864	11,047	541	296	245
Strong (180)	20,881,600	4,227,626	14,833	285	189	96
Wilton (210)	111,924,855	22,614,165	15,146	1,493	652	841
HANCOCK (09)	434,624,942	75,794,139	25,064	3,024	2,298	726
<u>Minor Civil Division</u>						
Ellsworth (130)	32,303,559	5,660,786	16,081	382	200	152
Southwest Harbor (280)	20,592,401	7,556,914	21,468	352	284	68

**Table 6 (Continued) CENSUS OF MAINE MANUFACTURES
BY COUNTY, MAJOR INDUSTRY & MINOR CIVIL DIVISION, 1988**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
KENNEBEC (11)	\$ 691,626,911	\$ 178,645,612	\$ 20,911	8,543	5,368	3,175
Major Industry						
DURABLE GOODS	214,756,421	51,641,129	24,637	2,096	1,503	593
Fabricated Metals (34)	34,777,286	8,943,706	20,994	426	343	83
Nonelectrical Machinery (35)	29,850,433	8,861,414	26,852	330	305	25
NONDURABLE GOODS	476,870,490	127,004,483	19,699	6,447	3,865	2,582
Textiles (22)	91,915,644	20,989,894	18,173	1,155	757	398
Paper (26)	238,308,179	64,373,748	25,999	2,476	1,905	571
Printing & Publishing (27)	35,002,756	11,659,064	20,418	571	347	224
Minor Civil Division						
Albion (010)	352,245	89,723	12,817	7	7	0
Augusta (020)	233,035,668	54,269,481	25,089	2,163	1,458	705
Clinton (070)	11,479,281	3,480,001	19,016	183	158	25
Gardiner (100)	20,147,567	5,027,339	21,034	239	175	64
Hallowell (110)	4,074,526	1,346,058	17,038	79	50	29
Monmouth (140)	33,969,359	6,492,504	18,340	354	273	81
Waterville (240)	148,138,379	48,425,938	17,221	2,812	1,283	1,529
Winslow (280)	146,103,554	34,386,363	25,302	1,359	1,044	315
KNOX (13)	256,355,195	53,705,793	18,930	2,837	1,709	1,128
Major Industry						
DURABLE GOODS	111,395,456	23,625,262	21,264	1,111	833	278
Lumber & Wood Products (24)	2,071,215	334,585	11,152	30	23	7
Fabricated Metals (34)	7,009,899	2,255,983	17,624	128	96	32
Machinery, Except Electrical (35)	47,906,922	5,599,491	23,428	239	221	18
Electric & Electronic Eqpt. (36)	3,184,122	1,289,085	17,658	73	30	43
Transportation Equipment (37)	15,955,608	5,626,518	20,023	281	240	41
NONDURABLE GOODS	144,959,739	30,080,531	17,427	1,726	876	850
Food (20)	41,017,574	8,292,595	14,031	591	276	315
Textiles (22)	23,696,840	6,008,783	18,895	318	182	136
Apparel (23)	15,139,998	3,361,574	14,124	238	79	159
Printing & Publishing (27)	14,611,724	4,008,571	17,895	224	82	142

Table 6 (Continued) CENSUS OF MAINE MANUFACTURES
BY COUNTY, MAJOR INDUSTRY & MINOR CIVIL DIVISION, 1988

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
KNOX (13) (continued)						
Minor Civil Division						
Camden (020)	\$ 22,316,127	\$ 8,178,525	\$ 17,626	464	237	227
Rockland (100)	167,606,090	29,266,276	18,487	1,583	949	634
Rockport (110)	5,343,011	1,532,313	19,396	79	34	45
St. George (120)	718,151	80,951	7,359	11	8	3
Thomaston (140)	31,616,840	6,938,806	28,092	247	210	37
Union (150)	1,758,589	863,290	17,985	48	31	17
Warren (170)	18,944,536	4,826,365	19,943	242	152	90
LINCOLN (15)	62,031,815	18,044,735	19,034	948	550	398
Major Industry						
DURABLE GOODS	51,649,885	14,192,826	20,659	687	407	280
Lumber & Wood Products (24)	3,185,054	720,248	12,207	59	43	16
Nonelectrical Machinery (35)	5,774,336	1,502,540	20,582	73	51	22
Transportation Equipment (37)	7,253,476	3,238,661	19,277	168	150	18
NONDURABLE GOODS	10,381,930	3,851,909	14,758	261	143	118
Food (20)	2,610,951	514,247	9,523	54	26	28
Printing & Publishing (27)	3,482,269	1,057,145	14,889	71	24	47
Minor Civil Division						
Boothbay (020)	7,377,412	3,431,199	20,065	171	141	30
Boothbay Harbor (030)	1,090,930	393,149	10,080	39	12	27
Bristol (050)	6,462,169	1,539,347	17,103	90	58	32
Damariscotta (060)	1,470,051	412,640	11,462	36	16	20
Newcastle (110)	317,677	140,621	17,577	8	6	2
South Bristol (140)	249,574	81,630	11,661	7	5	2
Whitefield (180)	6,111,376	1,978,071	18,486	107	84	23
Wiscasset (190)	1,506,891	423,002	14,586	29	12	17
OXFORD (17)	599,258,395	122,349,058	22,338	5,477	3,722	1,755
Major Industry						
DURABLE GOODS	147,697,949	43,583,506	16,998	2,564	1,783	781
Lumber & Wood Products (24)	117,751,187	33,056,584	16,446	2,010	1,467	543
Fabricated Metals (34)	2,498,605	1,062,071	22,597	47	31	16
Nonelectrical Machinery (35)	12,861,067	5,425,447	25,713	211	189	22
NONDURABLE GOODS	451,560,446	78,765,552	27,039	2,913	1,939	974

**Table 6 (Continued) CENSUS OF MAINE MANUFACTURES
BY COUNTY, MAJOR INDUSTRY & MINOR CIVIL DIVISION, 1988**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
OXFORD (17) (continued)						
<u>Minor Civil Division</u>						
Bethel (020)	\$ 14,578,647	\$ 5,513,047	\$ 15,486	356	206	150
Fryeburg (090)	15,331,779	7,574,441	18,207	416	252	164
Norway (210)	36,998,523	11,132,224	14,055	792	402	390
Oxford (220)	62,027,948	16,474,896	16,295	1,011	614	397
Paris (230)	19,784,612	7,095,569	15,698	452	248	204
PENOBSCOT (19)	1,571,875,597	280,030,962	22,955	12,199	8,849	3,350
<u>Major Industry</u>						
DURABLE GOODS	344,092,246	75,171,444	20,800	3,614	2,807	807
Lumber & Wood Products (24)	197,914,607	34,833,579	19,330	1,802	1,549	253
Furniture & Fixtures (25)	808,785	593,161	12,105	49	27	22
Stone, Clay, & Glass (32)	11,036,477	4,816,205	25,348	190	179	11
Nonelectrical Machinery (35)	47,187,608	16,427,273	27,333	601	550	51
Electric & Electronic Eqpt. (36)	48,165,808	10,042,990	19,538	514	217	297
Transportation Equipment (37)	32,891,572	6,355,860	19,086	333	197	136
NONDURABLE GOODS	1,227,783,351	204,859,518	23,862	8,585	6,042	2,543
Food (20)	62,704,465	8,369,386	20,167	415	304	111
Textiles (22)	51,815,869	14,370,957	16,165	889	527	362
Paper (26)	849,279,541	122,567,414	33,037	3,710	3,396	314
Printing & Publishing (27)	33,686,058	12,802,904	23,841	537	344	193
Petroleum & Coal Products (29)	18,082,733	3,112,491	25,937	120	112	8
Leather (31)	178,314,559	41,133,995	14,622	2,813	1,281	1,532
<u>Minor Civil Division</u>						
Bangor (020)	171,045,219	46,997,486	20,776	2,262	1,471	791
Brewer (050)	130,914,711	21,663,996	23,269	931	694	237
Carmel (070)	757,631	95,879	8,716	11	11	0
East Millinocket (130)	1,935,461	660,688	26,427	25	20	5
Eddington (180)	6,368,726	1,678,983	15,691	107	99	8
Enfield (200)	5,106,331	1,164,630	18,486	63	60	3
Greenbush (260)	3,983,832	456,095	14,252	32	28	4
Hampden (280)	19,594,998	5,231,630	20,356	257	188	69
Holden (300)	621,064	156,140	19,517	8	8	0
Howland (310)	3,492,083	490,652	9,813	50	48	2
Lee (360)	4,384,344	695,552	12,880	54	48	6
Medway (420)	3,164,251	70,385	7,820	9	9	0
Newport (470)	59,573,714	11,263,064	16,418	686	382	304
Old Town (480)	267,386,166	36,018,323	24,012	1,500	1,065	435
Orono (490)	14,453,005	2,346,562	16,295	144	98	46
Orrington (500)	32,587,742	2,305,034	26,193	88	79	9
Patten (520)	3,865,245	1,299,445	11,499	113	77	36
Winn (610)	32,452,261	2,594,304	18,399	141	132	9

**Table 6 (Continued) CENSUS OF MAINE MANUFACTURES
BY COUNTY, MAJOR INDUSTRY & MINOR CIVIL DIVISION, 1988**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
PISCATAQUIS (21)	\$ 183,384,275	\$ 46,778,916	\$ 17,493	2,674	1,666	1,008
Major Industry						
DURABLE GOODS	82,803,890	24,298,754	17,972	1,352	1,004	348
Lumber & Wood Products (24)	70,299,769	19,217,719	17,810	1,079	803	276
Furniture (25)	9,200,000	3,848,438	17,413	221	159	62
NONDURABLE GOODS	100,580,385	22,480,162	17,004	1,322	662	660
Minor Civil Division						
Brownville (060)	1,589,586	258,604	17,240	15	13	2
Dover-Foxcroft (070)	10,865,519	2,542,714	14,613	174	132	42
Greenville (090)	25,353,873	7,362,055	22,445	328	306	22
Guilford (100)	93,038,459	25,986,968	17,570	1,479	842	637
Sangerville (170)	2,778,407	914,080	20,774	44	39	5
Shirley (190)	846,491	43,079	8,615	5	5	0
SOMERSET (25)	923,799,247	102,718,785	19,818	5,183	3,225	1,958
Major Industry						
DURABLE GOODS	205,962,077	35,540,394	17,013	2,089	1,472	617
Lumber & Wood Products (24)	148,708,452	25,338,973	16,703	1,517	1,196	321
Nonelectric Machinery (35)	1,823,914	485,460	16,182	30	26	4
NONDURABLE GOODS	717,837,170	67,178,391	21,712	3,094	1,753	1,341
Food (20)	10,236,518	871,946	15,297	57	36	21
Textiles (22)	2,862,251	1,187,465	15,223	78	44	34
Apparel (23)	11,588,187	4,432,414	14,026	316	64	252
Paper (26)	575,086,518	37,085,187	40,619	913	853	60
Printing & Publishing (27)	1,212,743	315,046	11,668	27	14	13
Petroleum & Coal Products (29)	750,000	69,849	17,462	4	4	0
Leather (31)	115,815,855	22,991,793	13,661	1,683	728	955
Miscellaneous (39)	285,098	58,310	9,718	6	3	3
Minor Civil Division						
Anson (010)	29,541,232	6,766,843	17,087	396	324	72
Bingham (030)	4,509,475	863,217	10,926	79	67	12
Detroit (100)	9,139,360	850,373	15,185	56	44	12
Harmony (130)	7,501,904	1,609,622	12,477	129	27	102
Jackman (160)	36,187,061	7,110,560	25,125	283	268	15
Pittsfield (240)	80,682,872	16,194,716	14,446	1,121	468	653
St. Albans (270)	241,946	26,136	8,712	3	3	0
Skowhegan (280)	57,840,790	13,403,389	13,363	1,003	394	609

**Table 6 (Continued) CENSUS OF MAINE MANUFACTURES
BY COUNTY, MAJOR INDUSTRY & MINOR CIVIL DIVISION, 1988**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
WALDO (27)	\$ 100,613,051	\$ 24,541,885	\$ 16,515	1,486	877	609
Major Industry						
DURABLE GOODS	31,037,955	9,117,726	16,223	562	431	131
Lumber & Wood Products (24)	17,694,928	4,683,304	17,030	275	208	67
Transportation Equipment (37)	1,722,253	589,504	13,100	45	37	8
NONDURABLE GOODS	69,575,096	15,424,159	16,692	924	446	478
Food (20)	40,654,619	7,679,752	15,577	493	193	300
Textiles (22)	7,563,723	1,740,825	19,782	88	40	48
Printing & Publishing (27)	9,831,228	2,388,027	13,645	175	115	60
Rubber & Plastics (30)	1,206,871	584,953	32,497	18	16	2
Minor Civil Division						
Belfast (010)	47,760,715	12,962,446	15,505	836	387	449
Lincolnville (110)	1,581,344	707,154	13,599	52	31	21
Monroe (120)	783,588	211,095	14,073	15	10	5
Searsmont (180)	10,271,644	2,680,045	17,179	156	124	32
Stockton Springs (200)	1,056,000	219,442	12,191	18	12	6
Unity (240)	2,527,225	393,549	14,575	27	11	16
WASHINGTON (29)	341,839,766	47,794,793	21,327	2,241	1,570	671
Major Industry						
DURABLE GOODS	56,689,165	17,779,232	22,168	802	667	135
Lumber & Wood Products (24)	50,284,652	15,406,810	25,423	606	539	67
Stone, Clay, & Glass (32)	2,892,151	981,797	12,120	81	76	5
Transportation Equipment (37)	367,503	120,054	10,914	11	8	3
NONDURABLE GOODS	285,150,601	30,015,561	20,858	1,439	903	536
Food (20)	61,516,170	7,298,460	12,370	590	303	287
Minor Civil Division						
Baileyville (030)	244,555,070	31,674,164	31,961	991	835	156
Calais (070)	3,563,847	878,726	12,037	73	29	44
Cherryfield (100)	28,462,684	3,336,847	16,277	205	132	73
Danforth (170)	1,835,782	559,439	12,161	46	45	1
East Machias (200)	7,173,653	830,688	14,079	59	40	19
Lubec (260)	7,371,863	1,269,304	8,296	153	69	84
Machias (270)	19,806,639	1,874,462	13,988	134	67	67
Machiasport (280)	689,055	110,699	6,918	16	9	7
Milbridge (310)	3,035,220	1,308,988	12,466	105	46	59
Steuben (400)	257,777	32,862	4,694	7	4	3
Waite (440)	1,923,232	143,333	7,543	19	19	0

**Table 6 (Continued) CENSUS OF MAINE MANUFACTURES
BY COUNTY, MAJOR INDUSTRY & MINOR CIVIL DIVISION, 1988**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
YORK (31)	\$ 1,310,487,469	\$ 289,385,488	\$ 21,652	13,365	8,110	5,255
<u>Major Industry</u>						
DURABLE GOODS	805,434,409	194,841,860	23,115	8,429	5,222	3,207
Lumber & Wood Products (24)	39,248,546	8,387,485	19,688	426	361	65
Stone, Clay, & Glass (32)	42,223,274	11,246,874	25,854	435	375	60
Fabricated Metals (34)	78,892,942	28,571,544	25,487	1,121	866	255
Nonelectrical Machinery (35)	30,936,307	10,411,213	25,898	402	331	71
Electric & Electronic Eqpt. (36)	209,479,452	55,823,808	19,276	2,896	997	1,899
Transportation Equipment (37)	345,715,261	64,576,887	26,411	2,445	1,749	696
NONDURABLE GOODS	505,053,060	94,543,628	19,153	4,936	2,888	2,048
Food (20)	2,019,165	331,852	9,760	34	10	24
Textiles (22)	53,090,659	15,932,346	16,028	994	563	431
Apparel (23)	55,704,139	11,690,311	16,058	728	258	470
Paper (26)	7,099,257	1,621,694	21,338	76	46	30
Printing & Publishing (27)	67,901,032	15,320,607	19,295	794	448	346
Chemicals (28)	20,905,973	2,677,927	31,138	86	66	20
Rubber & Plastics (30)	126,306,736	26,929,236	20,667	1,303	806	497
Leather (31)	171,758,977	19,951,780	21,925	910	690	220
Miscellaneous (39)	771,901	173,671	9,648	18	3	15
<u>Minor Civil Division</u>						
Arundel (030)	552,143	195,360	13,954	14	13	1
Biddeford (050)	188,038,478	68,958,834	19,477	3,543	1,893	1,650
Cornish (070)	2,225,150	681,495	9,876	69	6	63
Eliot (090)	1,280,561	458,560	24,134	19	15	4
Kennebunk (110)	88,954,257	14,506,648	20,176	719	304	415
Kennebunkport (120)	979,229	243,893	12,194	20	3	17
Kittery (130)	32,995,154	7,467,944	26,203	285	177	108
Lebanon (140)	2,112,879	504,316	19,396	26	23	3
Limerick (150)	1,961,561	770,908	22,673	34	31	3
Parsonsfield (210)	19,615,611	5,303,705	16,471	322	186	136
Saco (220)	86,433,046	27,504,001	24,756	1,111	842	269
Sanford (230)	280,761,661	70,730,006	18,937	3,735	1,879	1,856
Waterboro (260)	1,722,275	962,164	20,045	48	37	11
York (280)	7,439,833	1,367,492	14,547	94	34	60

TABLE 7

CENSUS OF MAINE MANUFACTURES BY ECONOMIC AREA, 1988

AREA	NUMBER REPORTING	VALUE OF PRODUCT			EMPLOYMENT			UNIONIZED WORKERS	WAGES	
		\$	% CHANGE FROM		TOTAL	MALE	FEMALE		GROSS	AVERAGE
			1983	1987						
Augusta (19)	106	367,783,565	16.1	2.9	4,092	2,664	1,428	1,395	\$ 88,613,354	\$ 21,655
Bangor (12)	138	691,789,409	40.2	21.8	5,683	4,056	1,627	1,504	124,311,793	21,874
Bar Harbor - Southwest Harbor (09)	67	50,335,786	55.6	17.8	934	571	363	35	14,892,116	15,944
Belfast (16)	75	88,077,613	-21.3	-25.2	1,270	712	558	480	20,727,640	16,320
Biddeford - Sanford (29)	180	657,799,027	5.5	1.6	9,338	5,076	4,262	1,458	186,416,117	19,963
Blue Hill - Stonington (10)	43	18,272,798	132.7	10.0	314	162	152	0	4,603,541	14,660
Bridgton (28)	90	116,200,075	14.1	5.3	1,788	1,037	751	170	30,654,554	17,144
Brunswick - Bath (24)	-	-	-	-	-	-	-	-	-	-
Calais - Baileyville (05)	20	250,287,500	54.0	16.6	1,091	882	209	767	32,936,566	30,189
Dexter (15)	39	222,153,164	23.6	11.2	3,064	1,649	1,415	49	51,113,395	16,681
Dover Foxcroft - Guilford (14)	80	174,983,684	44.5	8.7	2,580	1,594	986	51	45,271,417	17,547
Eastport (06)	18	23,412,223	59.3	34.1	445	244	201	0	5,786,486	13,003
Ellsworth - Bucksport (11)	-	-	-	-	-	-	-	-	-	-
Farmington - Jay (22)	114	624,823,949	19.3	24.0	4,627	2,990	1,637	1,595	112,092,941	24,225
Houlton (03)	51	63,755,647	10.8	8.5	927	727	200	114	15,220,240	16,418
Jonesport - Cherryfield (08)	20	35,243,164	62.7	36.0	429	262	167	0	5,543,637	12,922
Kittery (30)	61	631,577,460	73.0	11.6	3,670	2,851	819	0	97,369,175	26,531
Lewiston (23)	208	777,588,097	21.2	14.2	10,710	6,489	4,221	779	193,359,023	18,054
Lincoln (13)	62	180,524,116	44.0	13.5	1,186	1,086	100	540	28,208,404	23,784
Machias - Whitneyville (07)	20	27,677,748	631.0	18.2	209	116	93	0	2,817,409	13,480
Madawaska (01)	58	437,004,812	25.3	15.7	2,191	1,743	448	1,044	58,973,175	26,916
Millinocket (04)	-	-	-	-	-	-	-	-	-	-
Paris - Norway (27)	96	139,425,215	3.4	4.6	2,671	1,543	1,128	116	40,767,551	15,263
Portland (25)	340	1,559,184,606	38.1	14.7	14,421	9,743	4,678	2,996	354,113,791	24,555
Presque Isle (02)	67	219,615,627	48.3	-12.4	2,615	1,546	1,069	249	39,857,462	15,241
Rockland (17)	127	256,370,597	45.1	-3.8	2,837	1,709	1,128	450	53,705,793	18,930
Rumford (26)	69	439,216,397	32.9	9.7	2,326	1,873	453	1,336	72,885,295	31,335
Skowhegan (21)	102	384,785,926	29.7	51.4	3,994	2,167	1,827	235	65,596,681	16,423
Waldoboro (18)	84	56,539,561	30.1	11.0	856	467	389	0	16,285,111	19,025
Waterville (20)	81	825,493,104	94.3	3.3	5,544	3,497	2,047	3,253	122,778,027	22,146
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, 1988

AREA	PLANT MODERNIZATION & EQUIPMENT						FOREIGN EXPORTS	
	TOTAL	NEW STRUCTURES	EXISTING STRUCTURES	EQUIPMENT	PLANNED		IMPORTS	EXPORTS
					1990	1991		
Augusta (19)	\$ 14,898,273	\$ 4,291,767	\$ 0	\$ 10,606,506	\$ 11,058,267	\$ 13,713,900	\$ 14,412,173	\$ 4,192,723
Bangor (12)	23,281,626	1,828,718	76,400	21,376,508	18,639,065	7,965,200	22,965,557	38,340,856
Bar Harbor - Southwest Harbor (09)	2,054,954	599,560	0	1,455,394	3,306,500	1,057,700	604,129	54,323
Belfast (16)	4,913,572	891,112	1,037,000	2,985,460	2,225,400	644,900	779,000	380,000
Biddeford - Sanford (29)	27,023,019	3,581,849	1,118,000	22,323,170	28,379,627	21,647,300	12,051,855	60,565,730
Blue Hill - Stonington (10)	729,463	374,319	39,100	316,044	570,102	113,915	41,200	1,945,163
Bridgton (28)	5,568,457	499,956	113,000	4,955,501	2,623,300	1,683,700	2,001,129	561,500
Brunswick - Bath (24)	-	-	-	-	-	-	-	-
Calais - Baileyville (05)	52,895,935	3,676,234	0	49,219,701	37,413,500	12,328,000	12,211,034	69,996,091
Dexter (15)	2,854,167	877,225	0	1,976,942	2,272,900	466,600	2,854,185	594,729
Dover Foxcroft - Guilford (14)	8,221,764	2,385,825	102,000	5,733,939	6,493,859	2,094,850	6,925,885	9,131,359
Eastport (06)	486,952	52,512	0	434,440	620,995	175,000	1,992,747	139,578
Ellsworth - Bucksport (11)	-	-	-	-	-	-	-	-
Farmington - Jay (22)	65,819,476	2,570,313	59,160	63,190,003	58,029,629	109,741,200	31,128,364	13,156,655
Houlton (03)	2,929,075	897,745	3,000	2,028,330	1,648,431	2,553,000	6,855,189	2,223,234
Jonesport - Cherryfield (08)	732,743	606,971	0	125,772	842,000	440,000	807,000	2,590,000
Kittery (30)	16,187,241	1,743,155	229,607	14,214,479	24,395,500	36,319,900	2,027,873	166,368,776
Lewiston (23)	33,206,876	6,022,689	213,021	26,971,166	22,577,148	25,685,249	15,015,984	23,572,848
Lincoln (13)	3,262,472	107,462	0	3,155,010	24,044,812	17,071,475	5,520,299	7,210,936
Machias - Whitneyville (07)	1,206,942	1,058,541	5,000	143,401	3,027,000	303,000	0	2,300,000
Madawaska (01)	24,997,958	5,553,999	439,000	19,004,959	37,759,820	22,340,190	156,854,331	14,361,980
Millinocket (04)	-	-	-	-	-	-	-	-
Paris - Norway (27)	7,428,537	2,722,801	210,000	4,495,736	3,745,000	2,650,000	4,625,018	1,341,831
Portland (25)	416,276,727	89,417,845	8,698,004	318,160,878	89,050,493	23,579,165	86,644,184	157,432,346
Presque Isle (02)	8,074,333	4,355,447	186,493	3,532,393	8,456,977	3,218,000	4,155,914	3,158,244
Rockland (17)	15,101,748	1,433,886	228,000	13,439,862	9,522,062	8,195,500	28,939,141	27,774,569
Rumford (26)	4,323,306	965,076	440,000	2,918,230	2,649,213	1,274,643	10,500,000	5,415,000
Skowhegan (21)	23,483,967	2,901,630	138,196	20,444,141	5,795,608	3,164,183	18,869,772	9,966,926
Waldoboro (18)	2,372,634	537,021	227,000	1,623,613	3,276,700	2,610,100	399,500	9,535,998
Waterville (20)	53,252,457	4,184,787	264,517	48,803,153	220,716,761	221,483,350	29,578,000	7,976,104
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, 1988**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
AUGUSTA (19)	\$ 367,783,565	\$ 88,613,354	\$ 21,655	4,092	2,664	1,428
DURABLE GOODS	171,510,878	38,504,511	24,556	1,568	966	602
Fabricated Metals (34)	27,201,737	6,658,173	21,477	310	243	67
NONDURABLE GOODS	196,272,687	50,108,843	19,852	2,524	1,698	826
Food (20)	25,461,967	4,328,517	20,321	213	167	46
Textiles (22)	76,119,881	17,642,216	18,039	978	651	327
Printing & Publishing (27)	20,936,539	6,391,527	19,849	322	193	129
BANGOR (12)	691,789,409	124,311,793	21,874	5,683	4,056	1,627
DURABLE GOODS	191,407,899	45,085,156	22,014	2,048	1,498	550
Lumber & Wood Products (24)	59,244,607	9,441,358	20,002	472	427	45
Stone, Clay & Glass (32)	9,110,415	4,044,537	26,093	155	148	7
Electric & Electronic Eqpt. (36)	48,165,808	10,042,990	19,538	514	217	297
Transportation Equipment (37)	32,891,572	6,355,860	19,086	333	197	136
NONDURABLE GOODS	500,381,510	79,226,637	21,795	3,635	2,558	1,077
Food (20)	39,257,139	6,598,647	19,815	333	236	97
Leather (31)	56,201,359	12,080,656	11,582	1,043	519	524
BAR HARBOR - SOUTHWEST HARBOR (09)	50,335,786	14,892,116	15,944	934	571	363
DURABLE GOODS	31,422,501	11,136,862	18,908	589	436	153
Lumber & Wood Products (24)	3,390,389	541,382	11,518	47	41	6
Fabricated Metals (34)	6,469,375	1,856,346	19,137	97	85	12
Transportation Equipment (37)	19,483,525	7,524,354	21,315	353	286	67
NONDURABLE GOODS	18,913,285	3,755,254	10,884	345	135	210
Food (20)	14,781,962	2,949,840	10,572	279	118	161
Printing & Publishing (27)	1,270,363	451,144	12,193	37	8	29
BELFAST (16)	88,077,613	20,727,640	16,320	1,270	712	558
DURABLE GOODS	22,313,683	6,316,533	16,072	393	294	99
Lumber & Wood Products (24)	16,719,161	4,578,942	17,214	266	199	67
Nonelectric Machinery (35)	993,084	394,874	15,794	25	18	7
Transportation Equipment (37)	1,722,253	589,504	13,100	45	37	8
NONDURABLE GOODS	65,763,930	14,411,107	16,432	877	418	459
Food (20)	39,909,510	7,482,269	15,653	478	188	290
Textiles (22)	5,833,607	1,553,368	20,173	77	34	43
Printing & Publishing (27)	9,702,158	2,344,868	13,632	172	114	58

**Table 9 (Continued) CENSUS OF MAINE MANUFACTURES
BY ECONOMIC AREA & MAJOR INDUSTRY, 1988**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
BIDDEFORD - SANFORD (29)	\$ 657,294,248	\$ 186,330,321	\$ 19,968	9,331	5,074	4,257
DURABLE GOODS	389,848,713	123,106,809	21,043	5,850	3,197	2,653
Furniture (25)	5,159,698	1,416,691	18,398	77	44	33
Stone, Clay, & Glass (32)	39,817,966	10,783,425	26,494	407	355	52
Nonelectrical Machinery (35)	28,049,799	9,236,752	25,729	359	295	64
Electric & Electronic Eqpt. (36)	201,160,288	53,768,894	19,341	2,780	937	1,843
NONDURABLE GOODS	267,445,535	63,223,512	18,162	3,481	1,877	1,604
Textiles (22)	44,461,159	13,647,166	15,758	866	488	378
Apparel (23)	53,888,656	10,980,482	16,687	658	251	407
Paper (26)	7,099,257	1,621,694	21,338	76	46	30
Printing & Publishing (27)	16,039,760	4,966,390	16,390	303	135	168
Rubber & Plastics (30)	126,306,736	26,929,236	20,667	1,303	806	497
Leather (31)	9,766,971	3,418,075	17,802	192	114	78
BLUE HILL - STONINGTON (10)	18,272,798	4,603,541	14,660	314	162	152
DURABLE GOODS	8,903,147	1,923,102	17,325	111	94	17
Stone, Clay & Glass (32)	238,397	98,792	10,976	9	3	6
Transportation Equipment (37)	5,206,396	1,735,741	18,465	94	86	8
NONDURABLE GOODS	9,369,651	2,680,439	13,204	203	68	135
Food (20)	3,832,149	1,163,493	11,752	99	33	66
Printing & Publishing (27)	4,902,942	1,294,207	15,592	83	24	59
BRIDGTON (28)	116,200,075	30,654,554	17,144	1,788	1,037	751
DURABLE GOODS	59,670,279	19,871,383	19,143	1,038	773	265
Lumber & Wood Products (24)	24,049,441	7,302,845	15,910	459	344	115
Nonelectrical Machinery (35)	13,724,484	5,920,062	24,770	239	200	39
NONDURABLE GOODS	56,529,796	10,783,171	14,377	750	264	486
Apparel (23)	1,770,730	995,259	10,053	99	11	88
Printing & Publishing (27)	1,401,000	461,174	13,176	35	14	21
DEXTER (15)	222,153,164	51,113,395	16,681	3,064	1,649	1,415
DURABLE GOODS	30,960,992	7,841,810	18,027	435	353	82
Lumber & Wood Products (24)	15,617,471	2,816,809	17,605	160	122	38
NONDURABLE GOODS	191,192,172	43,271,585	16,459	2,629	1,296	1,333

**Table 9 (Continued) CENSUS OF MAINE MANUFACTURES
BY ECONOMIC AREA & MAJOR INDUSTRY, 1988**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
DOVER-FOXCROFT - GUILFORD (14)	\$ 174,983,684	\$ 45,271,417	\$ 17,547	2,580	1,594	986
DURABLE GOODS	74,903,299	22,975,209	17,907	1,283	938	345
Lumber & Wood Products (24)	62,399,178	17,894,174	17,717	1,010	737	273
Furniture (25)	9,200,000	3,848,438	17,413	221	159	62
NONDURABLE GOODS	100,080,385	22,296,208	17,190	1,297	656	641
EASTPORT (06)	23,412,223	5,786,486	13,003	445	244	201
DURABLE GOODS	3,891,723	842,863	14,285	59	34	25
NONDURABLE GOODS	19,520,500	4,943,623	12,807	386	210	176
FARMINGTON - JAY (22)	624,823,949	112,092,941	24,225	4,627	2,990	1,637
DURABLE GOODS	47,299,154	16,556,764	14,782	1,120	683	437
Lumber & Wood Products (24)	42,719,088	15,340,894	14,836	1,034	639	395
Nonelectric Machinery (35)	983,737	371,181	13,256	28	19	9
NONDURABLE GOODS	577,524,795	95,536,177	27,241	3,507	2,307	1,200
HOUILTON (03)	63,755,647	15,220,240	16,418	927	727	200
DURABLE GOODS	34,135,367	10,615,557	16,035	662	554	108
Lumber & Wood Products (24)	25,457,683	8,422,134	16,579	508	438	70
NONDURABLE GOODS	29,620,280	4,604,683	17,376	265	173	92
Food (20)	27,048,600	3,934,907	20,930	188	155	33
JONESPORT - CHERRYFIELD (08)	35,243,164	5,543,637	12,922	429	262	167
DURABLE GOODS	3,226,982	1,442,139	10,450	138	93	45
NONDURABLE GOODS	32,016,182	4,101,498	14,094	291	169	122
FOOD (20)	31,323,433	4,007,744	14,013	286	164	122
KITTERY (30)	631,577,460	97,369,175	26,531	3,670	2,851	819
DURABLE GOODS	404,407,085	69,015,734	28,613	2,412	1,921	491
Lumber & Wood Products (24)	4,909,900	1,387,006	18,013	77	64	13
Stone, Clay & Glass (32)	2,405,308	463,449	16,551	28	20	8
Nonelectric Machinery (35)	2,886,508	1,174,461	27,313	43	36	7

**Table 9 (Continued) CENSUS OF MAINE MANUFACTURES
BY ECONOMIC AREA & MAJOR INDUSTRY, 1988**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
KITTERY (23) (continued)						
NONDURABLE GOODS (continued)	\$ 227,170,375	\$ 28,353,441	\$ 22,538	1,258	930	328
Apparel (23)	319,379	58,342	8,334	7	1	6
Miscellaneous (39)	143,851	35,715	7,143	5	1	4
LEWISTON (23)	777,588,097	193,359,023	18,054	10,710	6,489	4,221
DURABLE GOODS	195,509,167	59,735,105	21,487	2,780	2,053	727
Lumber & Wood Products (24)	21,268,307	4,432,512	14,438	307	256	51
Stone, Clay, & Glass (32)	24,069,760	6,435,726	21,240	303	263	40
Fabricated Metals (34)	22,936,833	5,849,179	22,410	261	225	36
Nonelectrical Machinery (35)	20,218,624	5,839,452	21,389	273	226	47
Electric & Electronic Eqpt. (36)	62,622,580	20,019,127	22,518	889	503	386
NONDURABLE GOODS	582,078,930	133,623,918	16,850	7,930	4,436	3,494
Food (20)	108,957,379	17,698,560	20,627	858	647	211
Textiles (22)	79,577,931	19,232,294	18,126	1,061	682	379
Apparel (23)	1,486,784	1,120,155	11,314	99	43	56
Paper (26)	124,989,134	18,112,525	22,444	807	536	271
Printing & Publishing (27)	40,531,729	15,108,977	19,724	766	428	338
Rubber & Plastics (30)	152,600,730	31,984,692	16,521	1,936	1,095	841
Leather (31)	70,791,445	28,163,608	12,374	2,276	929	1,347
LINCOLN (13)	180,524,116	28,208,404	23,784	1,186	1,086	100
MACHIAS - WHITNEYVILLE (07)	27,677,748	2,817,409	13,480	209	116	93
DURABLE GOODS	4,525,251	682,969	13,134	52	49	3
NONDURABLE GOODS	23,152,497	2,134,440	13,595	157	67	90
Food (20)	22,623,872	1,942,645	13,397	145	65	80
Printing & Publishing (27)	528,625	191,795	15,982	12	2	10
MADAWASKA (01)	437,004,812	58,973,175	26,916	2,191	1,743	448
PARIS - NORWAY (27)	139,425,215	40,767,551	15,263	2,671	1,543	1,128
DURABLE GOODS	79,440,952	22,564,643	15,823	1,426	922	504
Lumber & Wood Products (24)	57,002,133	15,508,463	15,370	1,009	724	285
Stone, Clay & Glass (32)	1,454,294	266,309	14,794	18	11	7
NONDURABLE GOODS	59,984,263	18,202,908	14,620	1,245	621	624
Printing & Publishing (27)	4,752,040	1,778,412	17,100	104	58	46
Leather (31)	20,413,164	6,101,323	12,325	495	189	306
Misc. Manufacturing Products (39)	11,819,311	4,976,107	12,958	384	192	192

**Table 9 (Continued) CENSUS OF MAINE MANUFACTURES
BY ECONOMIC AREA & MAJOR INDUSTRY, 1988**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
PORTLAND (25)	\$ 1,559,124,741	\$ 354,091,309	\$ 24,557	14,419	9,741	4,678
DURABLE GOODS	750,170,968	179,509,207	24,526	7,319	4,870	2,449
Lumber & Wood Products (24)	53,145,337	13,886,063	19,339	718	545	173
Furniture & Fixtures (25)	3,703,726	1,298,864	17,792	73	50	23
Stone, Clay, & Glass (32)	16,082,765	3,083,895	20,288	152	137	15
Primary Metals (33)	2,148,622	597,529	17,574	34	28	6
Fabricated Metals (34)	54,811,136	14,252,300	24,321	586	454	132
Nonelectrical Machinery (35)	216,122,409	52,752,318	25,695	2,053	1,566	487
Electric & Electronic Eqpt. (36)	375,212,234	86,284,474	25,771	3,348	1,936	1,412
Transportation Equipment (37)	3,379,238	1,407,684	20,386	69	59	10
Measuring Instruments (38)	25,565,501	5,947,080	20,793	286	95	191
NONDURABLE GOODS	808,953,773	174,582,102	24,589	7,100	4,871	2,229
Food (20)	302,519,056	41,179,364	21,063	1,955	1,419	536
Textiles (22)	6,755,821	1,907,033	15,379	124	65	59
Apparel (23)	5,576,768	2,664,513	12,450	214	93	121
Printing & Publishing (27)	104,229,887	33,825,911	21,449	1,577	890	687
Chemicals (28)	19,945,581	5,962,907	26,038	229	108	121
Rubber & Plastics (30)	43,083,365	7,091,227	22,229	319	233	86
Misc. Manufacturing Products (39)	5,076,214	2,049,404	19,153	107	61	46
PRESQUE ISLE (02)	219,286,720	39,760,570	15,222	2,612	1,543	1,069
DURABLE GOODS	57,509,527	15,874,722	15,061	1,054	608	446
NONDURABLE GOODS	161,777,193	23,885,848	15,331	1,558	935	623
Food (20)	112,075,345	15,098,468	15,629	966	610	356
Paper (26)	16,238,843	2,547,288	22,948	111	101	10
Printing & Publishing (27)	4,686,177	1,117,539	14,327	78	38	40
ROCKLAND (17)	256,370,597	53,705,793	18,930	2,837	1,709	1,128
DURABLE GOODS	111,410,858	23,625,262	21,264	1,111	833	278
Lumber & Wood Products (24)	2,086,617	334,585	11,152	30	23	7
Fabricated Metals (34)	7,009,899	2,255,983	17,624	128	96	32
Nonelectrical Machinery (35)	47,906,922	5,599,491	23,428	239	221	18
Electric & Electronic Eqpt. (36)	3,184,122	1,289,085	17,658	73	30	43
Transportation Equipment (37)	15,955,608	5,626,518	20,023	281	240	41
NONDURABLE GOODS	144,959,739	30,080,531	17,427	1,726	876	850
Food (20)	41,017,574	8,292,595	14,031	591	276	315
Textiles (22)	23,696,840	6,008,783	18,895	318	182	136
Apparel (23)	15,139,998	3,361,574	14,124	238	79	159
Printing & Publishing (27)	14,611,724	4,008,571	17,895	224	82	142

**Table 9 (Continued) CENSUS OF MAINE MANUFACTURES
BY ECONOMIC AREA & MAJOR INDUSTRY, 1988**

	Value of Product	Gross Wages	Average Wage	Number of Workers		
				Total	Male	Female
RUMFORD (26)	\$ 439,216,397	\$ 72,885,295	\$ 31,335	2,326	1,873	453
SKOWHEGAN (21)	384,785,926	65,596,681	16,423	3,994	2,167	1,827
DURABLE GOODS	118,188,829	24,009,284	15,282	1,571	1,005	566
NONDURABLE GOODS	266,597,097	41,587,397	17,163	2,423	1,162	1,261
Apparel (23)	11,588,187	4,432,414	14,026	316	64	252
Leather (31)	115,324,921	22,854,194	13,759	1,661	727	934
WALDOBORO (18)	55,804,561	16,057,683	19,139	839	465	374
DURABLE GOODS	47,982,944	13,678,538	20,756	659	385	274
Transportation Equipment (37)	7,253,476	3,238,661	19,277	168	150	18
NONDURABLE GOODS	7,821,617	2,379,145	13,217	180	80	100
Food (20)	2,307,156	456,498	9,316	49	23	26
Printing & Publishing (27)	3,304,115	1,031,473	14,948	69	22	47
WATERVILLE (20)	825,493,104	122,778,027	22,146	5,544	3,497	2,047
DURABLE GOODS	88,734,740	16,015,355	23,586	679	611	68
Lumber & Wood Products (24)	42,982,442	1,998,902	16,251	123	116	7
Stone, Clay & Glass (32)	6,507,660	2,553,427	29,349	87	80	7
Fabricated Metals (34)	7,575,549	2,285,533	19,702	116	100	16
Nonelectric Machinery (35)	25,672,539	7,544,963	28,471	265	244	21
NONDURABLE GOODS	736,758,364	106,762,672	21,945	4,865	2,886	1,979
Food (20)	27,388,867	4,210,275	10,992	383	249	134
Paper (26)	617,894,518	70,970,744	30,525	2,325	1,863	462
Printing & Publishing (27)	14,581,922	5,372,543	20,823	258	159	99
NOTE: The totals 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, 1988

ESTABLISHMENTS EMPLOYING:	NUMBER REPORTING	VALUE OF PRODUCT			EMPLOYMENT			UNIONIZED WORKERS	WAGES	
		\$	% CHANGE FROM		TOTAL	MALE	FEMALE		GROSS	AVERAGE
			1983	1987						
0 - 50	2,229	1,554,925,150	63.2	15.3	17,588	12,582	5,006	657	\$ 306,744,916	\$ 17,440
51 - 100	136	757,019,692	20.2	-7.2	9,707	6,519	3,188	1,039	183,663,967	18,920
101 - 250	131	1,648,660,009	37.3	3.8	20,767	12,840	7,927	3,764	387,279,239	18,648
251 - 500	47	1,570,073,896	7.3	28.7	16,875	9,000	7,875	3,064	322,644,561	19,119
501 - 1000	26	2,628,449,336	36.6	36.3	17,692	11,842	5,850	7,591	431,264,334	24,376
1001 and Over	10	3,000,873,034	37.7	2.0	22,675	17,997	4,678	13,857	673,000,843	29,680
Inactive or Out of Business	122	63,600,426	161.0	135.3	1,699	1,122	577	541	33,549,401	19,746

ESTABLISHMENTS EMPLOYING:	PLANT MODERNIZATION & EQUIPMENT						FOREIGN TRADE	
					PLANNED			
	TOTAL	NEW STRUCTURES	EXISTING STRUCTURES	EQUIPMENT	1989	1990	IMPORTS	EXPORTS
0 - 50	\$367,868,330	\$ 90,425,341	\$ 3,576,234	\$273,866,755	\$ 45,382,551	\$ 32,634,457	\$ 45,094,735	\$ 81,594,219
51 - 100	29,756,350	6,376,249	59,160	23,320,941	20,707,847	9,649,801	16,586,505	29,835,355
101 - 250	82,169,471	15,721,060	1,106,179	65,342,232	55,866,697	45,891,260	72,835,477	58,951,109
251 - 500	80,326,722	10,294,650	6,986,493	63,045,579	58,354,004	29,617,460	60,755,791	73,816,734
501 - 1000	168,933,639	20,689,499	8,513,432	139,730,708	400,942,410	351,640,440	243,746,632	214,627,791
1001 and Over	237,683,679	21,514,372	0	216,169,307	199,462,408	228,157,500	188,605,083	259,805,619
Inactive or Out of Business	2,029,638	782,000	440,000	807,638	840,000	1,390,000	3,577,000	1,616,000

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 1988 Census of Maine Manufactures form mailed to Maine's manufacturing establishments in May, 1989.

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
JUNE 16, 1989
 Retain Unlabeled Copy for your Files
 Please Make Necessary Changes
 To Address Label

**CENSUS OF
MAINE MANUFACTURES
1988**

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)
_____	_____	_____	_____
_____	_____	_____	_____

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 (Omit 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 job work) _____					
8. Receipts for custom work, repairing, and/or installation of your own product. (Sales of Scrap and waste recovery) _____					
9. Re-sale of products purchased without further manufacture _____					
TOTAL OF LINES 1-9 _____					

III. CAPITAL EXPENDITURES (Exclude land costs)

	Amount Actually Spent in 1988	Amount of Planned Expenditures for	
		1989	1990
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 _____

01560 (REV 4/89)

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 1988	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 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. 207-289-6446

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.

APPENDIX B (Continued)

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.

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.

APPENDIX B (Continued)

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, alkalis, 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.

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

APPENDIX B (Continued)

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

APPENDIX B (Continued)

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:

Area No.	1988 Population	Town
1	16,482	Eagle Lake, Ft. Kent, Frenchville, Grand Isle, <u>MADAWASKA</u> , St. Agatha, Van Buren, Wallagrass
2	44,902	Ashland, Blaine, Caribou, Caswell, Chapman, Easton, Ft. Fairfield, Limestone, Mapleton, Mars Hill, Masardis, <u>PRESQUE ISLE</u> , Wade, Washburn, Westfield, Woodland
3	13,090	Bridgewater, Dyer Brook, Hodgdon, <u>HOULTON</u> , Island Falls, Linneus, Ludlow, Merrill, Monticello, Oakfield, Smyrna
4	11,153	East Millinocket, Medway, <u>MILLINOCKET</u>
5	8,889	Alexander, <u>Baileyville</u> , Baring, CALAIS, Meddybemps, Princeton, Robbinston
6	5,686	Dennysville, <u>Eastport</u> , LUBEC, Pembroke, Perry
7	5,730	Cutler, E. Machias, <u>MACHIAS</u> , Machiasport
8	8,726	Addison, Beals, <u>Cherryfield</u> , Columbia Falls, Harrington, Jonesboro, JONESPORT, Milbridge, Steuben
9	17,733	BAR HARBOR, Cranberry Isles, Franklin, Gouldsboro, Hancock, Mt. Desert, Sorrento, <u>Southwest Harbor</u> , Sullivan, Tremont, Trenton, Winter Harbor
10	8,881	BLUE HILL, <u>Brooklin</u> , Brooksville, Castine, Deer Isle, Sedgwick, Stonington, Swans Island
11	15,206	<u>Bucksport</u> , ELLSWORTH, Orland, Penobscot, Surry, Verona
12	100,278	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

APPENDIX C (Continued)

Area No.	1988 Population	Town
13	10,039	Burlington, Enfield, Grand Falls, Howland, Lee, <u>LINCOLN</u> , Passadumkeag, Springfield, Winn
14	16,149	Abbot, Brownville, DOVER-FOXCROFT, Greenville, <u>Guilford</u> , Milo, Monson, Sangerville, Sebec, Shirley
15	18,115	Alna, Burnham, Cambridge, Corinna, Detroit, <u>DEXTER</u> , Dixmont Newport, Palmyra, St. Albans, Stetson, Troy
16	22,070	<u>BELFAST</u> , Belmont, Brooks, Frankfort, Isleboro Liberty, Lincolnville, Monroe, Montville, Morrill, Northport, Prospect, Stockton Springs, Swanville, Thorndike, Waldo, Winterport
17	35,774	Appleton, Camden, Cushing, Friendship, Hope, Matinicus Isle, North Haven, Owls Head, <u>ROCKLAND</u> , Rockport, St. George, S. Thomaston, Thomaston, Union, Vinalhaven, Warren, Washington
18	23,443	Boothbay, Boothbay Harbor, Bremen, Bristol, Damariscotta, Edgecomb, Newcastle, Nobleboro, S. Bristol, Southport, <u>WALDOBORO</u> , Westport, Wiscasset
19	66,887	<u>AUGUSTA</u> , Farmingdale, Gardiner, Hallowell, Jefferson, Litchfield, Manchester, Monmouth, Pittston, Randolph, Readfield, Richmond, Wayne, W. Gardiner, Whitefield, Windsor, Winthrop
20	59,668	Albion, Belgrade, Benton, China, Clinton, Fairfield, Freedom, Mt. Vernon, Oakland, Palermo, Smithfield, Sidney, Unity, Vassalboro, <u>WATERVILLE</u> , Winslow
21	31,938	Anson, Athens, Bingham, Canaan, Cornville, Embden, Harmony, Hartland, Madison, Mercer, Norridgewock, <u>Pittsfield</u> , SKOWHEGAN, Solon, Starks
22	30,020	Avon, Chesterville, FARMINGTON, Industry, <u>Jay</u> , Kingfield, Livermore Falls, New Portland, New Sharon, New Vineyard, Phillips, Strong, Temple, Weld, Wilton
23	102,011	Auburn, Bowdoin, Durham, Greene, Leeds, <u>LEWISTON</u> , Lisbon, Mechanic Falls, New Gloucester, Poland, Sabattus, Turner
24	58,965	Bath, Bowdoinham, BRUNSWICK, Dresden, Freeport, Georgetown, Harpwell, Topsham, W. Bath, Woolwich
25	185,805	Cape Elizabeth, Cumberland, Falmouth, Gorham, Gray, N. Yarmouth, <u>PORTLAND</u> , Raymond, Scarborough, S. Portland, Standish, Westbrook, Windham, Yarmouth
26	20,860	Andover, Bethel, Canton, Dixfield, Hanover, Hartford, Mexico, Newry, Peru, Roxbury, <u>RUMFORD</u> , Sumner

APPENDIX C (Continued)

<u>Area No.</u>	<u>1988 Population</u>	<u>Town</u>
27	20,929	Buckfield, Greenwood, Hebron, Lovell, NORWAY, <u>Oxford</u> , Paris, Stoneham, Sweden, Waterford, W. Paris, Woodstock
28	23,053	Baldwin, <u>BRIDGTON</u> , Brownfield, Casco, Cornish, Denmark, Fryeburg, Harrison, Hiram, Naples, Parsonsfield, Porter, Sebago
29	105,854	Alfred, Arundel, Biddeford, Buxton, Dayton, Hollis, Kennebunk, Kennebunkport, Limerick, Limington, Lyman, Newfield, Old Orchard Beach, Saco, <u>SANFORD</u> , Shapleigh, Waterboro
30	53,996	Berwick, Eliot, Kittery, Lebanon, <u>N. Berwick</u> , S. Berwick, Wells, YORK

NOTE: Since the 1988 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 1988; Maine Department of Human Services, Office of Data, Research, and Vital Statistics.

APPENDIX D

Census of Maine Manufactures by Major Industry Group, 1983-1987

<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>
TOTAL	1983	2,444	\$ 8,348,448	\$ 1,877,768	\$ 17,163	109,408
	1984	2,495	9,419,809	2,017,402	18,295	110,273
	1985	2,495	8,957,798	2,021,738	19,106	105,819
	1986	2,555	9,434,549	2,111,383	20,384	103,579
	1987	2,606	10,024,010	2,215,678	21,232	104,354
DURABLE GOODS - TOTAL	1983	1,577	2,722,349	726,497	17,719	40,999
	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	3,418,601	900,083	20,486	43,936
	1987	1,672	3,740,247	981,593	21,214	46,269
Lumber & Wood Products	1983	979	775,871	193,503	14,580	13,271
	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	937,225	219,403	16,273	13,482
	1987	1,030	1,019,828	240,218	17,457	13,760
Furniture & Fixtures	1983	36	38,748	13,637	15,169	899
	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
Stone, Clay, & Glass	1983	89	71,494	17,881	16,679	1,072
	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
Primary Metals	1983	14	21,717	7,026	18,636	377
	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
Fabricated Metals	1983	127	185,302	56,778	18,001	3,154
	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	113	215,909	64,056	21,589	2,967

APPENDIX D (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>
Nonelectrical Machinery	1983	149	\$ 241,018	\$ 69,900	\$ 19,036	3,672
	1984	144	363,078	83,248	20,504	4,060
	1985	155	324,151	93,018	21,044	4,420
	1986	159	337,166	92,149	22,928	4,019
	1987	175	418,188	95,914	23,078	4,156
Electric & Electronic Equipment	1983	52	648,226	136,138	16,932	8,040
	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	774,941	213,141	20,920	10,188
Transportation Equipment	1983	112	709,993	223,405	22,570	9,898
	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
Precision Instruments & Related Products	1983	19	29,980	8,230	13,360	616
	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
NONDURABLE GOODS-TOTAL	1983	867	5,626,099	1,151,271	16,829	68,409
	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	934	6,274,918	1,234,085	21,246	58,085
Food & Kindred Products	1983	204	640,586	115,726	13,983	8,276
	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	199	881,544	125,989	16,010	7,869
Textile Mill Products	1983	70	359,936	95,257	14,024	6,792
	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	70	425,024	114,806	17,171	6,686
Apparel	1983	58	221,371	55,206	11,446	4,823
	1984	60	255,007	56,066	11,704	4,790
	1985	57	192,085	50,894	11,849	4,295
	1986	63	181,324	51,953	12,034	4,317
	1987	66	133,744	42,621	12,745	3,344

APPENDIX D (Continued)

Industry	Year	Number Reporting	Value of Product (Thousands)	Gross Wages (Thousands)	Average Wages	Total Employment
Paper & Allied Products	1983	47	\$ 2,737,609	\$ 480,363	\$ 26,729	17,971
	1984	44	3,136,599	522,106	28,489	18,326
	1985	42	2,982,634	538,289	29,680	18,136
	1986	44	3,086,695	571,628	32,679	17,492
	1987	44	3,247,059	576,847	33,753	17,090
Printing & Publishing	1983	247	181,950	63,196	14,876	4,248
	1984	251	206,111	71,567	15,622	4,581
	1985	274	230,587	80,930	16,198	4,941
	1986	290	265,616	88,930	17,732	5,015
	1987	312	285,616	100,349	18,866	5,319
Chemicals & Allied Products	1983	35	105,563	18,652	19,926	936
	1984	36	112,106	19,922	21,306	935
	1985	35	112,575	19,658	21,579	911
	1986	34	118,166	19,914	22,450	887
	1987	36	133,074	21,228	22,582	940
Petroleum & Coal Products	1983	12	29,810	4,451	20,510	217
	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
Rubber & Plastics	1983	43	324,362	58,439	14,995	3,897
	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	44	312,218	66,159	18,678	3,542
Leather & Leather Products	1983	98	1,001,596	251,137	12,267	20,472
	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	169,911	13,877	12,244
Miscellaneous	1983	52	23,315	8,839	11,375	777
	1984	55	29,839	10,423	11,632	896
	1985	63	36,345	11,604	11,546	1,005
	1986	70	39,233	11,702	12,369	946
	1987	78	43,200	11,686	13,572	861

APPENDIX E

Census of Maine Manufactures by County, 1983-1987

<u>County</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>
<u>I-95 CORRIDOR</u>	1983	1,198	\$ 5,151,067	\$ 1,269,376	\$ 17,355	73,138
	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	1,243	5,774,491	1,448,103	20,959	69,092
	1987	1,293	6,138,824	1,515,890	21,861	69,340
Androscoggin	1983	206	661,656	163,949	13,641	12,018
	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	747,614	183,187	17,228	10,633
Cumberland	1983	373	1,279,993	302,285	18,044	16,752
	1984	370	1,616,420	335,088	19,106	17,538
	1985	390	1,445,035	358,035	20,047	17,859
	1986	400	1,485,511	384,727	21,753	17,686
	1987	420	1,539,008	395,439	22,565	17,524
Kennebec	1983	134	531,608	142,696	17,843	7,997
	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	143	661,561	167,048	21,717	7,692
Penobscot	1983	218	1,515,247	254,277	18,301	13,894
	1984	227	1,291,040	280,083	19,657	14,248
	1985	239	1,239,622	278,649	20,491	13,598
	1986	236	1,208,311	281,979	22,112	12,752
	1987	246	1,331,165	290,452	23,434	12,394
Sagadahoc	1983	42	513,597	190,163	22,135	8,591
	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
York	1983	225	1,012,966	216,006	15,555	13,886
	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	237	1,236,286	270,116	20,743	13,022

APPENDIX E (Continued)

<u>County</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>
<u>EASTERN</u>	1983	216	\$ 549,115	\$ 91,612	\$ 18,881	4,852
	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	118,209	23,232	5,088
Hancock	1983	127	329,833	49,711	20,348	2,443
	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	145	399,805	72,631	25,583	2,839
Washington	1983	89	219,282	41,901	17,393	2,409
	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	92	292,082	45,578	20,265	2,249
<u>MIDCOAST</u>	1983	268	342,956	71,713	13,409	5,348
	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	310	454,000	92,318	16,508	5,592
Knox	1983	117	176,647	37,621	14,331	2,625
	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	126	266,660	49,143	17,402	2,824
Lincoln	1983	80	44,211	11,329	14,925	759
	1984	80	55,234	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
Waldo	1983	71	122,098	22,764	11,590	1,964
	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	129,632	25,677	14,217	1,806

APPENDIX E (Continued)

<u>County</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>
<u>NORTHERN</u>	1983	222	\$ 614,728	\$ 102,949	\$ 16,596	6,203
	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	228	756,689	128,252	19,503	6,576
Aroostook	1983	222	614,728	102,949	16,596	6,203
	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	228	756,689	128,252	19,503	6,576
<u>WESTERN</u>	1983	530	1,689,903	341,288	17,208	19,832
	1984	551	1,827,059	352,504	18,156	19,415
	1985	532	1,746,565	347,032	19,111	18,158
	1986	551	1,865,493	350,985	20,060	17,496
	1987	536	1,981,363	360,567	20,330	17,735
Franklin	1983	107	513,747	102,340	19,353	5,288
	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	110	504,430	95,892	23,428	4,093
Oxford	1983	188	482,394	108,570	17,607	6,166
	1984	197	515,026	111,859	18,599	6,014
	1985	193	491,419	110,298	20,025	5,508
	1986	196	490,180	106,990	21,161	5,056
	1987	187	554,022	112,028	20,924	5,354
Piscataquis	1983	94	160,135	36,833	13,662	2,696
	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	91	168,492	42,100	16,445	2,560
Somerset	1983	141	533,627	93,545	16,463	5,682
	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	158	754,419	110,548	19,299	5,728

APPENDIX F

Raw and Adjusted Data Comparisons, 1987-1988

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

1987 Annual Average = 112.5

1988 Annual Average = 117.0

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.

	<u>PPI</u>	
	<u>1987</u>	<u>1988</u>
Total Manufactures	104.4	109.1
Durable Goods	109.6	114.0
Lumber & Wood Products	105.3	109.2
Transportation Equipment	105.9	107.7
Electric & Electronic Equipment	103.3	104.6
Nondurable Goods	99.2	104.1
Food & Kindred Products	102.8	107.4
Pulp, Paper, & Allied Products	104.8	113.7

MAINE MANUFACTURING WITH SELECTED MAJOR INDUSTRIES, RAW & ADJUSTED (1982=100) DATA, 1987-1988

INDUSTRY	YEAR	VALUE OF PRODUCT		GROSS WAGES		AVERAGE GROSS WAGE	
		RAW (Millions)	PPI ADJUSTED (Millions)	RAW (Millions)	CPI ADJUSTED (Millions)	RAW	CPI ADJUSTED
TOTAL MANUFACTURING	1988	\$11,223.6	\$10,287.4	\$2,338.1	\$1,998.4	\$21,851	\$18,676
	1987	\$10,024.0	\$9,601.5	\$2,215.7	\$1,969.5	\$21,232	\$18,873
	Percent Change	12.0 %	7.1 %	5.5 %	1.5 %	2.9 %	-1.0 %
Durable Goods	1988	\$4,149.9	\$3,640.2	\$1,090.7	\$932.2	\$22,218	\$18,990
	1987	\$3,740.2	\$3,412.6	\$981.6	\$872.5	\$21,214	\$18,857
	Percent Change	11.0 %	6.7 %	11.1 %	6.8 %	4.7 %	0.7 %
Lumber & Wood Products	1988	\$1,119.9	\$1,025.5	\$233.6	\$199.7	\$17,753	\$15,174
	1987	\$1,019.8	\$968.5	\$240.2	\$213.5	\$17,457	\$15,517
	Percent Change	9.8 %	5.9 %	-2.7 %	-6.5 %	1.7 %	-3.2 %
Transportation Equipment	1988	\$1,083.8	\$1,006.3	\$348.6	\$297.9	\$26,151	\$22,351
	1987	\$1,004.5	\$948.5	\$283.2	\$251.7	\$25,792	\$22,926
	Percent Change	7.9 %	6.1 %	23.1 %	18.4 %	1.4 %	-2.5 %
Electric & Electronic Equipment	1988	\$947.5	\$905.8	\$230.4	\$196.9	\$21,899	\$18,717
	1987	\$774.9	\$750.1	\$213.1	\$189.4	\$20,920	\$18,596
	Percent Change	22.3 %	20.8 %	8.1 %	4.0 %	4.7 %	0.7 %
Nondurable Goods	1988	\$7,073.7	\$6,795.1	\$1,247.4	\$1,066.2	\$21,540	\$18,410
	1987	\$6,274.9	\$6,325.5	\$1,234.1	\$1,097.0	\$21,246	\$18,885
	Percent Change	12.7 %	7.4 %	1.1 %	-2.8 %	1.4 %	-2.5 %
Food	1988	\$869.7	\$809.8	\$128.7	\$110.0	\$17,265	\$14,756
	1987	\$881.5	\$857.5	\$126.0	\$112.0	\$16,010	\$14,231
	Percent Change	-1.3 %	5.6 %	2.1 %	-1.8 %	7.8 %	3.7 %
Paper	1988	\$3,841.2	\$3,378.4	\$554.5	\$473.9	\$33,780	\$28,872
	1987	\$3,099.9	\$2,957.9	\$576.8	\$512.7	\$33,753	\$30,003
	Percent Change	23.9 %	14.2 %	3.9 %	3.2 %	0.0 %	-3.8 %

APPENDIX G