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Industry Wage Survey: Textile Plants, August 1990



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U.S. Department of Labor
Lynn Martin, Secretary

Bureau of Labor Statistics
Janet L. Norwood, Commissioner

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Preface

This bulletin summarizes the results of a Bureau of Labor Statistics survey of occupational wages and related benefits in textile plants in August 1990. A similar survey was conducted in June 1985.

Separate reports were issued earlier for 13 centers of industry concentration: Ten centers for the cotton and synthetic fiber segment; and 3 centers for the wool segment. (See appendix table A-1 for centers for which reports were prepared.) A summary report providing national, regional, and locality data for both segments of the industry was issued in March 1991. Copies of these reports are available from the Bureau or any of its regional offices.

The study was conducted in the Bureau's Office of

Compensation and Working Conditions. Denis A. Gusty of the Division of Occupational Pay and Employee Benefit Levels analyzed the survey data and prepared this bulletin. The Bureau's field representatives obtained the data through personal visits to a probability-based sample of establishments within the scope of the survey. Fieldwork was directed by the Bureau's Assistant Regional Commissioners for Operations.

Other industry wage survey reports are listed at the end of this bulletin along with information on how to obtain them.

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Textile Plants, August 1990

Earnings

Straight-time earnings averaged \$7.61 an hour for production and related workers in cotton and synthetic textile manufacturing plants and \$7.68 in wool textile manufacturing plants, according to a survey conducted by the Bureau of Labor Statistics in August 1990 (tables 1 and 29).¹

Virtually all of the production workers in these industries earned between \$5 and \$11 an hour; the middle 50 percent of the workers earned between \$6.66 and \$8.50 in cotton and synthetic textile manufacturing plants and between \$6.85 and \$8.28 in wool textile manufacturing plants (tables 2 and 30).

Average hourly earnings in the four regions that met publication criteria in the cotton and synthetic textile industry were \$7.32 in the Middle Atlantic region; \$7.60 in the Southeast, where 93 percent of the production workers were employed; \$7.76 in the Southwest; and \$8.16 in New England. Pay averages in the two publishable regions of the wool textile industry were \$7.53 in the Southeast region and \$7.81 in New England.

Hourly pay averages in the 10 centers where the cotton and synthetic textile manufacturing industry was concentrated ranged from \$7.33 in the State of Virginia to \$8.28 in Southern New England (tables 10 through 19). In the three centers of the wool textile industry, averages were \$7.70 in Massachusetts and Rhode Island; \$7.71 in Maine and New Hampshire; and \$7.76 an hour in North Carolina and South Carolina (tables 38 through 40).

Average hourly pay levels in both segments of the industry in August 1990 were approximately 20 percent higher than the pay levels reported in a similar survey conducted in June 1985.² This increase, averaging 3.8 percent a year,

¹ Earnings data exclude premium pay for overtime and for work on weekends, holidays, and late shifts. Cost-of-living pay increases (but not bonuses) were included as part of the workers' regular pay. Excluded were performance bonuses and lump-sum payments such as profit-sharing payments, attendance bonuses, Christmas or yearend bonuses, and other nonproduction bonuses. The survey excluded cotton and synthetic fiber textile plants employing fewer than 100 workers and wool fiber textile plants with fewer than 50 workers. See appendix A for the scope and method of the survey and definitions of terms used in this report, and appendix B for occupational descriptions.

² For an account of the earlier survey, see *Industry Wage Survey: Textile Mills, June 1985*, BLS Bulletin 2265 (1987).

compares with a 19.6-percent rise (3.6 percent a year) in wages and salaries in all manufacturing industries between June 1985 and September 1990, as measured by the Bureau's Employment Cost Index. In contrast to rising wages, production worker employment declined 6 percent in the cotton and synthetic textile industry, and 16 percent in the wool textile industry over the same period.

Three major types of textile plants were studied in the August 1990 survey: *Integrated plants* combine spinning and weaving processes within the same plant; *weaving plants* produce broadwoven fabric from purchased yarn or thread; and *yarn or thread plants* process fibers into yarn or thread. Average hourly earnings varied among these plants. In the cotton and synthetic fiber industry, averages were: \$7.30 an hour in yarn or thread plants; \$7.78 in integrated plants; and \$7.85 in weaving plants. In the wool fiber industry, average pay levels ranged from \$7.33 an hour in yarn or thread plants to \$8.63 in weaving plants. Average hourly earnings also varied by type of area, establishment size, and labor-management contract coverage (tables 1 and 9).

Cotton and synthetic textile industry. Thirty-eight occupations, accounting for nearly three-fifths of the 187,471 production workers within the scope of the survey, were selected to represent this industry's wage structure, worker skills, and manufacturing operations. Averages for these 38 occupations ranged from \$6.28 for card strippers to \$10.80 for electronics technicians (table 4).

Spinners, numerically the largest occupation with 15,331 workers, averaged \$7.19 an hour. Hourly averages for the two other jobs with at least 10,000 workers were \$7.15 for yarn winders and \$8.82 for weavers on shuttleless looms. Pay levels generally were highest for loom fixers and maintenance occupations. For example, electronics technicians had the highest average pay (\$10.80 an hour), followed by electricians (\$10.26), and loom fixers and machinists (\$9.78, each). Card strippers (\$6.28), handtruck operators (\$6.32), and janitors (\$6.38) had the lowest averages.

Wool textile industry. Forty-one occupations were selected to represent the industry's wage structure, worker skills, and manufacturing operations. These occupations ac-

counted for almost half of the 9,287 production workers within the scope of the survey. Averages ranged from \$6.54 for janitors to \$10.34 for electricians (table 32).

Benefits

Virtually all of the production workers in cotton and synthetic fiber textile plants were in establishments providing paid holidays, with three-fourths of the workers receiving 6 to 8 paid holidays annually. Paid holiday provisions applied to all of the workers in wool fiber textile plants, where slightly more than three-fourths of the workers received 7 to 9 days annually (tables 24 and 45). More liberal paid holiday provisions were common in New England for both segments of the industry and in the Middle Atlantic region for the cotton and synthetic fiber segment.

Virtually all of the production workers in both segments of the textile industry were in establishments providing paid vacations (tables 25 and 46). The most common vacation provisions for both were: 1 week after 1 year of service, 2 weeks after 5 years, 3 weeks after 15 years, and 4 weeks after 25 years or more.

Ninety-eight percent of the production workers in the cotton and synthetic fiber textile industry were in plants offering hospitalization, surgical, and medical insurance to their workers. Membership in health maintenance organizations (HMO's) was available to 3 percent of the workers—mostly in the New England and Middle Atlantic regions (table 26). In wool fiber textile industries, 94 percent of the production workers were in plants offering hospitalization, surgical, and medical insurance, while membership in HMO's was available to 15 percent—mostly in New England (table 47).

In the cotton and synthetic fiber textile industry, alcohol and drug abuse treatment plans were available to 88 percent of the workers, dental care to 64 percent, and vision and hearing care each, 5 percent. In the wool textile industry, the proportion of workers offered such benefits were: 96 percent, alcohol and drug abuse treatment plans; 63 percent, dental care; 6 percent, vision care; and 3 percent, hearing care.

Most of the workers who were offered hospitalization, surgical, and medical insurance, and dental, vision, hearing, and alcohol and drug abuse treatment plans also participated in the plans (tables 27 and 48).

Life insurance was offered to nearly all of the workers in both segments of the industry. Short-term protection against loss of income, sick leave, sickness and accident insurance, or both, was available to about four-fifths of the workers in cotton and synthetic fiber textile plants, and to seven-eighths of those in wool fiber textile plants.

Retirement plans, other than Federal Social Security, covered nearly nine-tenths of the workers in each segment of the industry. These plans usually were financed entirely by the employer.

Paid jury-duty and funeral leave applied to 96 and 94 percent of the workers of cotton and synthetic fiber textile plants, respectively, while technological severance pay, which provides payments to workers permanently separated from their job due to a technological change or a plant closing, applied to less than one-fifth of the workers (table 28). In wool fiber textile plants, paid jury-duty and funeral leave applied to 89 percent of the workers and technological severance pay covered 31 percent (table 49).

A variety of family care benefits also were provided to workers in the textile industry.³ Nationwide, 41 percent of the production workers in the cotton and synthetic textile industry were in establishments providing maternity leave while 7 percent were in establishments providing paternity leave. In the wool textile industry, the proportion of workers receiving these benefits were 51 and 22 percent, respectively. In both industry segments, maternity or paternity leave generally was partially paid or unpaid leave; however, while on leave, workers were eligible for continuation of other benefits.

Five percent of the workers in cotton and synthetic textile manufacturing industries were in establishments with childcare benefits; in wool textile manufacturing industries, 3 percent of the workers were offered these benefits. Information and referral services, which range from a list of local childcare providers to the maintenance of an information system that contains such items as availability of space and type of care, was the most common childcare benefit.

Industry characteristics

The 679 establishments within the scope of the survey employed 196,758 production workers in August 1990 (table A-1). Cotton and synthetic fiber textile plants, those with at least 100 workers, accounted for 95 percent (187,461) of the production workers; the other 5 percent were in wool fiber textile plants employing at least 50 workers.

In the cotton and synthetic fiber textile industry, the Southeast region accounted for 93 percent of the production workers. Of these workers, nearly two-fifths were located in North Carolina, one-fourth in South Carolina, and one-fifth in Georgia. Maine, New Hampshire, North Carolina, and South Carolina, accounted for half the total production work force in the wool textile industry.

Three-fifths of the production workers in the cotton and synthetic fiber textile industry were in plants employing 100 to 499 workers, while plants employing at least 500 workers accounted for two-fifths. In wool fiber textile industries, seven-tenths of the production workers were in plants employing at least 250 workers.

Nearly half of the workers in cotton and synthetic fiber industries were employed in integrated plants, which combine spinning and weaving at the same plant; slightly less

³ For a definition of family care benefits, see appendix A.

than two-fifths were in yarn or thread plants; and the remaining workers were employed in weaving plants. In wool fiber industries, seven-tenths of the workers were employed in integrated plants; almost one-fourth in yarn or thread plants; and the remainder in weaving plants.

Four-fifths of the production workers in both cotton and synthetic fiber textile plants and in wool fiber textile plants were paid time rates, usually under formal plans providing single rates for occupations. Incentive pay plans, usually based on individual piecework, applied to the remaining workers (tables 20 and 41).

In cotton and synthetic fiber textile plants, work schedules varied. Sixty-four percent of the workers were on 40-hour-a-week work schedules, commonly 5 days a week; 21 percent were on 42-hour-a-week work schedules, usually 3 1/2 days a week; and another 11 percent were working 48 hours a week, mostly 6 days a week (table 21). Work schedules were not as varied in wool fiber textile plants. Nearly all workers—96 percent—worked 40 hours, with a majority working 5 days a week. Most of the remainder were scheduled for 48 hours, 6 days a week (table 42). Late-shift provisions covered slightly more

than four-fifths of the production workers in cotton and synthetic textile plants and nearly all of the workers in wool textile plants. However, only about one-fifth of the workers in cotton and synthetic textile plants were actually employed on each of the second and third shifts, while slightly more than one-fourth of the workers in wool textile plants were employed on second shifts and another one-fifth on third shifts. For those workers in cotton and synthetic textile plants employed on late shifts, pay differentials above day-shift rates applied to slightly less than three-tenths of those on second shifts and nearly four-fifths on third shifts. In wool textile plants, shift differentials applied to two-fifths of the workers on second shifts and four-fifths of those on third shifts. Shift premiums usually were between 5 and 15 cents an hour.

Labor-management agreements covered slightly more than one-tenth of the production workers in the cotton and synthetic textile manufacturing industry and nearly one-fifth of those in the wool textile manufacturing industry. The Amalgamated Clothing and Textile Workers Union and the United Textile Workers Union—both AFL-CIO affiliates—represented virtually all of these workers.

Table 1. Cotton and synthetic fiber textile plants: Average hourly earnings by selected characteristics

(Number and average straight-time hourly earnings¹ of production workers by selected characteristics, United States and selected regions,² August 1990)

Characteristic	United States ³		New England		Middle Atlantic		Southeast		Southwest	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
All production workers	187,471	\$7.61	4,995	\$8.16	3,211	\$7.32	174,974	\$7.60	2,404	\$7.76
Type of area:										
Metropolitan areas ⁴	90,566	7.67	4,995	8.16	3,211	7.32	79,324	7.65	2,197	7.73
Nonmetropolitan areas	96,905	7.56	-	-	-	-	95,650	7.56	-	-
Size of establishment: ⁵										
100-499 workers	111,462	7.48	2,830	7.98	3,211	7.32	102,322	7.48	1,212	7.54
500 workers or more	76,009	7.80	2,165	8.39	-	-	72,652	7.78	-	-
Type of plant ⁶										
Integrated	91,876	7.78	2,863	8.31	528	8.75	86,040	7.75	1,967	7.84
Weaving	25,980	7.85	1,072	8.61	1,910	7.35	22,430	7.89	-	-
Yarn or thread	69,615	7.30	1,060	7.29	773	6.26	66,504	7.33	-	-
Principal fiber by weight:										
Cotton	91,437	7.65	-	-	525	8.04	88,852	7.64	1,967	7.84
Manmade fiber or silk	94,536	7.58	4,902	8.17	2,426	7.13	84,884	7.56	-	-
Other ⁷	1,498	7.63	-	-	-	-	-	-	-	-
Principal fiber by content:										
Cotton	30,122	7.76	-	-	-	-	29,284	7.74	-	-
Cotton and synthetic fibers	73,692	7.63	-	-	1,469	7.55	70,665	7.63	-	-
Manmade fibers	65,263	7.60	4,010	8.20	1,061	7.25	58,379	7.57	-	-
Other ⁷	18,394	7.40	-	-	-	-	14,256	7.43	-	-
Labor-management contract coverage:										
Establishments with--										
Majority of worker covered	24,306	7.69	677	8.47	1,063	8.00	21,504	7.66	-	-
None or minority of workers covered	163,165	7.60	4,318	8.11	2,148	6.99	153,470	7.60	2,404	7.76

¹ Excludes premium pay for overtime and for work on weekends, holidays, and late shifts. Incentive payments, such as those resulting from piecework or production bonus systems, and cost-of-living pay increases (but not bonuses) were included as part of the workers' regular pay. Excluded are performance bonuses and lump-sum payments of the type negotiated in the auto and aerospace industries, as well as profit-sharing payments, attendance bonuses, Christmas or yearend bonuses, and other nonproduction bonuses.

² For definition of regions, see appendix A, table A-1, footnote 1.

³ Includes data for regions in addition to those shown separately.

⁴ Metropolitan Statistical Areas as defined by the U.S. Office of Management and Budget through October 1984.

⁵ Includes only those plants with 100 workers or more at the time of reference of the universe data.

⁶ *Integrated plants* combine spinning and weaving processes within the same plant; *weaving plants* produce broadwoven fabric from purchased yarn or thread; *yarn or thread plants* process fibers into yarn or thread.

⁷ Includes data for workers in establishments manufacturing a combination of fibers.

NOTE: Dashes indicate that no data were reported or data did not meet publication criteria.

Table 2. Cotton and synthetic fiber textile plants: Earnings distribution—All plants

(Percent distribution of production workers by straight-time hourly earnings,¹ United States, selected regions, and textile centers,² August 1990)

Hourly earnings	United States ³	Regions			
		New England	Middle Atlantic	Southeast	Southwest
Number of workers	187,471	4,995	3,211	174,974	2,404
Average (mean) hourly earnings ¹	\$7.61	\$8.16	\$7.32	\$7.60	\$7.76
Median ¹	7.33	7.87	7.13	7.33	7.50
Middle range: ¹					
First quartile	6.66	7.23	6.00	6.66	6.71
Third quartile	8.50	8.76	8.37	8.50	8.65
Total	100.0	100.0	100.0	100.0	100.0
Under \$4.50 .....	.2	-	.2	.2	.9
\$4.50 and under \$4.75 .....	.2	-	.9	.2	.4
\$4.75 and under \$5.00 .....	.2	(*)	.5	.1	-
\$5.00 and under \$5.25 .....	.9	.8	5.1	.8	-
\$5.25 and under \$5.50	1.5	.3	5.8	1.5	.1
\$5.50 and under \$5.75	2.0	.6	4.4	2.0	.5
\$5.75 and under \$6.00	3.1	1.1	5.1	3.2	.8
\$6.00 and under \$6.25	3.9	2.1	8.3	3.7	1.3
\$6.25 and under \$6.50	6.9	3.6	5.2	6.8	8.5
\$6.50 and under \$6.75	9.6	2.7	6.3	9.8	13.2
\$6.75 and under \$7.00	8.6	4.6	3.9	8.8	11.4
\$7.00 and under \$7.25	10.0	9.3	7.5	10.1	6.2
\$7.25 and under \$7.50	7.1	7.9	9.3	7.1	6.7
\$7.50 and under \$7.75	6.0	11.0	4.3	6.0	6.2
\$7.75 and under \$8.00	4.9	10.1	1.7	4.8	8.0
\$8.00 and under \$8.25	5.5	7.7	5.3	5.5	3.0
\$8.25 and under \$8.50	4.3	6.4	2.4	4.3	5.1
\$8.50 and under \$8.75	4.0	6.5	2.3	4.0	4.1
\$8.75 and under \$9.00	3.7	5.7	4.4	3.6	6.0
\$9.00 and under \$9.25	3.8	2.1	2.8	3.9	4.5
\$9.25 and under \$9.50	3.2	3.6	2.4	3.2	2.3
\$9.50 and under \$9.75	2.9	1.8	2.0	3.0	1.6
\$9.75 and under \$10.00	2.5	1.1	3.0	2.5	2.5
\$10.00 and under \$10.25	2.1	2.2	1.5	2.2	2.1
\$10.25 and under \$10.50 .....	.9	1.4	1.3	.8	.8
\$10.50 and under \$10.75 .....	.5	1.5	1.3	.4	1.6
\$10.75 and under \$11.00 .....	.4	.7	.4	.4	.3
\$11.00 and over	1.1	5.2	2.5	.9	2.1

See footnotes at end of table.

Table 2. Cotton and synthetic fiber textile plants: Earnings distribution—All plants—Continued

 (Percent distribution of production workers by straight-time hourly earnings,¹ United States, selected regions, and textile centers,² August 1990)

Hourly earnings	Anderson, SC	Georgia	Greensboro-Winston-Salem-High Point, NC	Green-ville-Spartan-burg, SC	Hickory, NC	Maine and New Hampshire	North Carolina	South Carolina	Southern New England	Virginia
Number of workers	6,204	33,247	5,833	11,989	2,491	1,405	68,193	43,713	3,536	10,855
Average (mean) hourly earnings ¹	\$7.91	\$7.76	\$8.04	\$7.89	\$7.52	\$7.84	\$7.45	\$7.82	\$8.28	\$7.33
Median ¹	7.55	7.56	7.90	7.66	7.10	7.87	7.12	7.47	7.98	7.09
Middle range: ¹										
First quartile	6.79	6.91	7.00	6.75	6.28	7.41	6.53	6.75	7.15	6.21
Third quartile	8.92	8.50	9.15	9.00	8.41	8.39	8.29	8.79	8.92	8.32
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under \$4.50 .....	.3	.2	-	-	.1	-	.3	.1	-	(*)
\$4.50 and under \$4.75 .....	.2	.2	-	-	-	-	.1	(*)	-	(*)
\$4.75 and under \$5.00 .....	.1	(*)	-	(*)	(*)	-	.2	.3	(*)	-
\$5.00 and under \$5.25 .....	.1	.6	-	.1	.7	-	.6	.3	1.1	(*)
\$5.25 and under \$5.50 .....	.3	.7	.5	1.0	1.5	.5	1.8	1.1	.3	.4
\$5.50 and under \$5.75 .....	.9	1.2	.9	.2	2.2	.1	2.3	.8	.8	6.8
\$5.75 and under \$6.00	1.3	2.1	3.2	.6	12.8	1.4	3.9	1.6	1.0	10.5
\$6.00 and under \$6.25	3.5	2.5	4.3	5.2	6.1	2.1	4.1	3.0	2.1	8.3
\$6.25 and under \$6.50	9.2	4.9	4.1	6.4	6.9	5.9	8.3	6.4	2.7	7.9
\$6.50 and under \$6.75	4.7	4.9	6.6	11.4	7.0	2.8	12.5	10.4	2.7	8.2
\$6.75 and under \$7.00	10.9	10.6	5.3	7.6	8.5	3.2	9.7	8.3	5.1	7.0
\$7.00 and under \$7.25	9.3	9.8	5.2	8.6	7.7	5.1	10.1	9.2	11.1	6.7
\$7.25 and under \$7.50	8.4	7.7	5.6	7.1	8.8	6.8	6.3	8.8	8.4	7.0
\$7.50 and under \$7.75	4.5	10.8	8.6	2.6	2.4	18.2	4.9	4.5	8.2	1.3
\$7.75 and under \$8.00	3.5	6.7	6.8	3.6	3.6	17.2	3.8	5.7	7.4	5.4
\$8.00 and under \$8.25	5.8	9.0	6.6	4.5	4.6	6.1	4.8	4.3	8.3	2.9
\$8.25 and under \$8.50	4.3	3.1	4.9	5.4	4.8	10.3	4.7	3.6	4.8	6.4
\$8.50 and under \$8.75	4.6	3.4	4.2	6.2	2.2	6.4	3.2	6.0	6.5	2.6
\$8.75 and under \$9.00	4.6	3.8	6.8	4.5	1.6	5.7	3.4	3.9	5.7	4.7
\$9.00 and under \$9.25	3.8	4.2	6.1	3.2	1.4	1.4	4.3	2.8	2.3	3.5
\$9.25 and under \$9.50	5.4	2.8	5.7	6.2	1.1	3.3	3.1	3.3	3.5	1.9
\$9.50 and under \$9.75	2.7	3.1	4.7	9.1	3.5	.4	1.9	6.0	2.3	.8
\$9.75 and under \$10.00	2.7	2.3	2.9	3.5	3.1	.7	1.9	3.6	1.2	2.3
\$10.00 and under \$10.25	3.3	2.6	3.1	1.5	1.3	1.5	1.5	2.8	2.5	4.0
\$10.25 and under \$10.50	1.2	.8	.7	.5	2.0	.1	.8	.8	1.9	.2
\$10.50 and under \$10.75	1.0	.5	.1	.6	1.3	.2	.3	.5	2.0	.3
\$10.75 and under \$11.00	1.0	.3	.4	.2	1.4	.4	.5	.5	.8	.3
\$11.00 and over	2.6	1.1	2.5	.2	3.5	.3	.8	1.4	7.3	.4

¹ Excludes premium pay for overtime and for work on weekends, holidays, and late shifts. Incentive payments, such as those resulting from piecework or production bonus systems, and cost-of-living pay increases (but not bonuses) were included as part of the workers' regular pay. Excluded are performance bonuses and lump-sum payments of the type negotiated in the auto and aerospace industries, as well as profit-sharing payments, attendance bonuses, Christmas or yearend bonuses, and other non-production bonuses. The mean was calculated by weighting each rate (or hourly earnings) by the number of workers receiving the rate, totaling, and dividing by the number of individuals. The median designates position; that is, one-half of the employees covered by the survey received more than

this rate and one-half received less. The middle range is defined by two rates such that one-fourth of the employees earned less than the first quartile and one-fourth earned more than the third quartile.

² For definitions of regions and textile centers, see appendix A, table A-1, footnote 1.

³ Includes data for regions in addition to those shown separately.

⁴ Less than 0.05 percent.

NOTE: Because of rounding, sums of individual items may not equal 100. Dashes indicate that no data were reported.

Table 3. Cotton and synthetic fiber textile plants: Earnings distribution by type of plant¹

(Percent distribution of production workers by straight-time hourly earnings,² United States and selected regions,³ August 1990)

Hourly earnings	United States ⁴			New England			Middle Atlantic			Southeast			South-west
	Inte-grated	Weaving	Yarn or thread	Inte-grated	Weaving	Yarn or thread	Inte-grated	Weaving	Yarn or thread	Inte-grated	Weaving	Yarn or thread	Inte-grated
Number of workers	91,876	25,980	69,615	2,863	1,072	1,060	528	1,910	773	86,040	22,430	66,504	1,967
Average (mean) hourly earnings ²	\$7.78	\$7.85	\$7.30	\$8.31	\$8.61	\$7.29	\$8.75	\$7.35	\$6.26	\$7.75	\$7.89	\$7.33	\$7.84
Median ²	7.54	7.68	7.11	7.96	8.56	7.13	8.82	7.30	6.09	7.49	7.72	7.12	7.62
Middle range: ²													
First quartile	6.73	6.75	6.54	7.42	7.48	6.41	7.44	6.10	5.25	6.72	6.78	6.55	6.81
Third quartile	8.75	8.92	8.03	8.76	9.36	7.87	9.97	8.30	7.00	8.72	8.93	8.05	8.84
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under \$4.50 .....	.2	(⁵)	.1	-	-	-	-	.4	-	.2	-	.1	1.1
\$4.50 and under \$4.75 .....	.2	.2	.2	-	-	-	-	1.6	-	.2	.1	.2	.5
\$4.75 and under \$5.00	(⁵)	.3	.3	-	-	.1	-	.8	-	(⁵)	.3	.3	-
\$5.00 and under \$5.25 .....	.3	.8	1.7	-	-	3.7	.8	2.6	14.2	.4	.6	1.6	-
\$5.25 and under \$5.50 .....	.8	.6	2.7	.2	-	1.0	-	1.9	19.3	.8	.5	2.6	.1
\$5.50 and under \$5.75	2.2	1.1	2.1	.2	-	2.2	-	4.5	7.1	2.4	.9	2.0	.6
\$5.75 and under \$6.00	2.5	1.8	4.5	.2	.8	3.9	.4	6.5	5.0	2.7	1.5	4.6	1.0
\$6.00 and under \$6.25	3.4	6.0	3.7	.7	2.1	5.7	3.8	9.5	8.7	3.5	4.7	3.7	1.6
\$6.25 and under \$6.50	6.7	5.6	7.5	.8	2.2	12.5	2.3	4.6	8.8	6.9	6.0	6.9	9.1
\$6.50 and under \$6.75	9.0	8.2	10.9	2.1	1.0	6.1	2.7	8.0	4.5	9.3	8.8	10.9	7.5
\$6.75 and under \$7.00	7.9	9.4	9.4	2.5	3.9	10.8	.8	4.0	5.6	8.0	10.2	9.4	10.9
\$7.00 and under \$7.25	8.6	7.4	12.7	10.7	5.1	10.0	8.3	4.3	14.7	8.6	8.0	12.8	7.4
\$7.25 and under \$7.50	7.2	6.4	7.3	8.0	9.8	5.9	7.2	12.7	2.2	7.2	5.8	7.4	7.1
\$7.50 and under \$7.75	6.7	3.3	6.2	14.8	3.4	8.2	9.8	3.9	1.4	6.5	3.3	6.3	7.5
\$7.75 and under \$8.00	5.2	4.5	4.5	12.2	3.6	10.9	.4	2.6	.4	5.0	4.7	4.5	7.4
\$8.00 and under \$8.25	4.9	4.8	6.6	9.2	7.1	4.2	4.2	6.9	2.1	4.8	4.6	6.8	3.6
\$8.25 and under \$8.50	4.4	6.5	3.5	7.1	8.7	2.2	2.3	3.2	.6	4.3	6.7	3.5	4.2
\$8.50 and under \$8.75	4.7	4.2	2.9	5.7	14.1	.9	5.3	1.9	1.2	4.7	4.1	3.0	5.0
\$8.75 and under \$9.00	3.8	6.8	2.4	8.5	1.9	1.8	6.1	5.7	.3	3.6	7.3	2.4	7.3
\$9.00 and under \$9.25	4.1	2.9	3.9	1.5	3.6	2.0	3.0	3.4	1.0	4.2	2.7	4.0	3.4
\$9.25 and under \$9.50	3.1	4.0	2.9	2.3	10.0	.9	9.1	1.3	.6	3.1	4.1	3.0	2.4
\$9.50 and under \$9.75	4.4	2.1	1.3	1.3	4.7	.6	2.7	2.5	.3	4.6	2.0	1.4	1.9
\$9.75 and under \$10.00	3.1	4.8	.8	.8	2.3	.8	12.1	1.7	-	3.1	5.3	.8	3.1
\$10.00 and under \$10.25	2.7	4.7	.5	3.1	1.4	.4	3.0	1.1	1.4	2.7	5.2	.5	1.7
\$10.25 and under \$10.50	1.3	.7	.4	.9	3.3	.8	5.3	.6	.3	1.2	.6	.4	1.0
\$10.50 and under \$10.75 .....	.5	.7	.3	.7	4.4	.9	2.7	1.4	-	.5	.5	.3	1.9
\$10.75 and under \$11.00 .....	.6	.6	.1	.6	1.4	.2	.8	.4	-	.6	.5	.1	.4
\$11.00 and over	1.4	1.4	.6	6.0	5.2	3.2	7.2	2.1	.3	1.1	1.2	.6	2.6

¹ *Integrated plants* combine spinning and weaving processes within the same plant; *weaving plants* produce broadwoven fabric from purchased yarn or thread; *yarn or thread plants* process fibers into yarn or thread.

² Excludes premium pay for overtime and for work on weekends, holidays, and late shifts. Incentive payments, such as those resulting from piecework or production bonus systems, and cost-of-living pay increases (but not bonuses) were included as part of the workers' regular pay. Excluded are performance bonuses and lump-sum payments of the type negotiated in the auto and aerospace industries, as well as profit-sharing payments, attendance bonuses, Christmas or year-end bonuses, and other nonproduction bonuses. The mean was calculated by weighting each rate (or hourly earnings) by the number of workers receiving the

rate, totaling, and dividing by the number of individuals. The median designates position; that is, one-half of the employees covered by the survey received more than this rate and one-half received less. The middle range is defined by two rates such that one-fourth of the employees earned less than the first quartile and one-fourth earned more than the third quartile.

³ For definitions of regions, see appendix A, table A-1, footnote 1.

⁴ Includes data for regions in addition to those shown separately.

⁵ Less than 0.05 percent.

NOTE: Because of rounding, sums of individual items may not equal 100. Dashes indicate that no data were reported.

Table 4. Cotton and synthetic fiber textile plants: Occupational averages—All plants

(Number and average straight-time hourly earnings¹ of workers in selected occupations, United States and selected regions,² August 1990)

Occupation ³	United States ⁴		New England		Middle Atlantic		Southeast		Southwest	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Carding and drawing										
Card grinders	365	\$8.80	-	-	-	-	357	\$8.79	-	-
Card operators (finishers)	3,048	7.27	55	\$7.64	-	-	2,848	7.29	61	\$6.88
Card strippers	179	6.28	6	7.76	-	-	167	6.24	-	-
Comber operators	477	7.40	-	-	-	-	469	7.39	-	-
Drawing-frame operators	3,196	7.39	-	-	-	-	3,067	7.39	45	7.91
Opener operators	1,545	6.67	-	-	-	-	1,500	6.67	22	6.54
Picker operators	174	7.14	-	-	-	-	161	7.17	-	-
Pin-drafter operators	721	7.22	17	7.75	-	-	676	7.23	-	-
Roving operators	2,291	7.95	-	-	-	-	2,263	7.95	-	-
Texturing-machine operators	1,725	6.62	-	-	-	-	1,675	6.62	-	-
Spinning										
Doffers	5,388	7.79	-	-	-	-	5,319	7.79	-	-
Section fixers	3,783	8.77	71	8.73	-	-	3,618	8.78	62	8.34
Air-jet	539	8.75	-	-	-	-	470	8.78	-	-
Ring frame	2,192	8.68	21	8.27	-	-	2,143	8.69	-	-
Open-end	930	8.90	-	-	-	-	905	8.91	18	8.61
Other	122	9.40	-	-	-	-	100	9.61	-	-
Spinners	15,331	7.19	247	7.48	-	-	14,690	7.18	161	7.43
Ring frame	11,285	7.24	182	7.42	-	-	10,799	7.24	-	-
Open-end	3,146	6.93	-	-	-	-	3,071	6.91	50	7.87
Other	358	7.65	-	-	-	-	321	7.73	-	-
Yarn-dyeing-machine operators	396	7.38	40	7.85	-	-	356	7.32	-	-
Spooling, winding, and twisting										
Twister operators	6,279	7.10	106	7.61	77	\$6.07	5,852	7.12	-	-
Uptwisters (synthetic fiber)	670	6.71	-	-	-	-	606	6.76	-	-
Yarn winders	12,902	7.15	309	6.96	232	6.37	12,139	7.17	-	-
Slashing and warping										
Slasher operators	2,325	8.13	22	8.86	50	8.31	2,208	8.12	45	8.15
Warper operators	3,030	7.64	56	8.19	80	7.97	2,811	7.60	75	8.13
Slow speed	406	7.68	22	8.11	-	-	370	7.61	-	-
High speed	2,624	7.63	34	8.25	74	7.92	2,441	7.60	75	8.13

See footnotes at end of table.

Table 4. Cotton and synthetic fiber textile plants: Occupational averages—All plants—Continued

(Number and average straight-time hourly earnings¹ of workers in selected occupations, United States and selected regions,² August 1990)

Occupation ³	United States ⁴		New England		Middle Atlantic		Southeast		Southwest	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Weaving										
Battery operators	1,193	\$6.70	-	-	-	-	1,090	\$6.69	-	-
Cloth doffers	1,761	6.84	77	\$7.53	70	\$6.94	1,583	6.79	31	\$7.34
Drawing-in-machine operators	625	8.36	35	8.30	12	8.05	558	8.33	17	8.91
Loom fixers	6,629	9.78	302	9.70	260	9.65	5,944	9.80	91	9.98
Box shuttle looms	519	9.85	-	-	-	-	477	9.97	-	-
Jacquard shuttle looms	124	9.62	-	-	47	9.56	-	-	-	-
Plain and dobby shuttle looms	990	9.72	-	-	27	10.23	897	9.72	-	-
Shuttleless looms	4,195	9.85	224	9.71	100	9.75	3,814	9.86	57	10.01
Other (including combination)	801	9.45	-	-	-	-	687	9.48	34	9.93
Loom-winder operators	704	6.61	-	-	55	6.68	635	6.60	-	-
Tying-in-machine operators	1,502	8.52	88	9.76	69	8.19	1,282	8.48	51	8.34
Weavers, shuttle looms	3,183	8.54	-	-	141	8.99	2,797	8.48	-	-
Box looms, automatic	667	8.55	-	-	-	-	659	8.53	-	-
Box looms, nonautomatic	110	8.96	-	-	-	-	-	-	-	-
Dobby looms	750	8.72	-	-	-	-	646	8.69	-	-
Jacquard looms	191	9.12	-	-	-	-	-	-	-	-
Plain looms	1,153	8.24	-	-	-	-	1,137	8.23	-	-
Other (including combination)	312	8.65	-	-	-	-	252	8.47	-	-
Weavers, shuttleless looms	11,710	8.82	197	9.28	187	7.89	11,182	8.82	144	9.38
Air-jet looms	3,453	8.99	-	-	-	-	3,384	9.00	-	-
Water-jet looms	590	8.47	-	-	-	-	590	8.47	-	-
Rapier	2,168	8.61	185	9.35	87	8.81	1,888	8.53	-	-
Projectile (sulzer)	4,235	8.85	-	-	-	-	4,154	8.85	-	-
Other (including combination)	1,264	8.74	-	-	-	-	1,166	8.80	-	-
Cloth room										
Cloth inspectors, machine	3,934	6.88	158	8.00	130	6.77	3,552	6.83	94	6.83
Cloth menders	251	7.45	136	7.83	-	-	81	6.82	-	-

See footnotes at end of table.

Table 4. Cotton and synthetic fiber textile plants: Occupational averages—All plants—Continued(Number and average straight-time hourly earnings¹ of workers in selected occupations, United States and selected regions,² August 1990)

Occupation ³	United States ⁴		New England		Middle Atlantic		Southeast		Southwest	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Maintenance and miscellaneous										
Carpenters	308	\$9.26	9	\$9.99	-	-	292	\$9.28	-	-
Electricians	1,262	10.26	27	11.91	7	\$9.78	1,201	10.21	-	-
Electronics technicians	168	10.80	-	-	-	-	157	10.75	-	-
Level I	43	9.46	-	-	-	-	43	9.46	-	-
Level II	89	11.02	-	-	-	-	78	10.95	-	-
Level III	36	11.87	-	-	-	-	36	11.87	-	-
General maintenance workers	758	7.97	38	10.22	69	8.35	621	7.76	-	-
Handtruck operators	2,382	6.32	97	7.34	6	6.49	2,271	6.28	-	-
Janitors, porters, or cleaners	3,594	6.38	56	7.11	53	6.86	3,449	6.37	22	\$6.31
Machinists	333	9.78	15	11.10	7	9.60	304	9.72	-	-
Mechanics	1,446	9.72	-	-	42	8.65	1,299	9.78	39	8.83
Powertruck operators	2,106	6.81	59	7.93	-	-	1,994	6.79	18	6.78
Forklift operators	1,995	6.83	54	7.86	11	7.27	1,908	6.79	16	6.82
Other than forklift	111	6.61	-	-	-	-	86	6.75	-	-

¹ Excludes premium pay for overtime and for work on weekends, holidays, and late shifts. Incentive payments, such as those resulting from piecework or production bonus systems, and cost-of-living pay increases (but not bonuses) were included as part of the workers' regular pay. Excluded are performance bonuses and lump-sum payments of the type negotiated in the auto and aerospace industries, as well as profit-sharing payments, attendance bonuses, Christmas or yearend bonuses, and other nonproduction bonuses.

² For definition of regions, see appendix A, table A-1, footnote 1.

³ Data for overall occupation may include data for subclassifications not shown separately.

⁴ Includes data for regions in addition to those shown separately.

NOTE: Dashes indicate that no data were reported or data did not meet publication criteria.

Table 5. Cotton and synthetic fiber textile plants: Occupational averages by type of area

(Number and average straight-time hourly earnings¹ of workers in selected occupations, United States and selected regions,² August 1990)

Occupation ³	United States ⁴				New England		Middle Atlantic		Southeast				Southwest	
	Metropolitan areas ⁵		Nonmetropolitan areas		Metropolitan areas ⁵		Metropolitan areas ⁵		Metropolitan areas ⁵		Nonmetropolitan areas		Metropolitan areas ⁵	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Carding and drawing														
Card grinders	219	\$8.71	146	\$8.95	-	-	-	-	211	\$8.69	146	\$8.95	-	-
Card operators (finishers)	1,283	7.00	1,765	7.47	55	\$7.64	-	-	1,109	7.01	1,739	7.48	61	\$6.88
Card strippers	51	6.25	128	6.30	6	7.76	-	-	39	6.07	128	6.30	-	-
Comber operators	287	7.40	190	7.40	-	-	-	-	279	7.39	190	7.40	-	-
Drawing-frame operators	1,557	7.33	1,639	7.45	-	-	-	-	1,454	7.33	1,613	7.45	45	7.91
Opener operators	418	6.52	1,127	6.73	-	-	-	-	386	6.51	1,114	6.73	22	6.54
Picker operators	99	7.03	75	7.29	-	-	-	-	86	7.07	75	7.29	-	-
Pin-drafter operators	167	7.17	554	7.24	17	7.75	-	-	150	7.10	526	7.26	-	-
Roving operators	1,330	8.01	961	7.87	-	-	-	-	1,308	8.01	955	7.87	-	-
Texturing-machine operators	487	7.06	1,238	6.45	-	-	-	-	437	7.11	1,238	6.45	-	-
Spinning														
Doffers	2,703	7.93	2,685	7.64	-	-	-	-	2,675	7.92	2,644	7.65	-	-
Section fixers	1,689	8.63	2,094	8.88	71	8.73	-	-	1,552	8.65	2,066	8.89	56	8.25
Air-jet	292	8.27	247	9.31	-	-	-	-	223	8.19	247	9.31	-	-
Ring frame	956	8.63	1,236	8.72	21	8.27	-	-	929	8.64	1,214	8.73	-	-
Open-end	390	8.86	540	8.94	-	-	-	-	365	8.88	540	8.94	18	8.61
Other	51	8.93	71	9.74	-	-	-	-	35	9.27	-	-	-	-
Spinners	6,011	7.10	9,320	7.25	247	7.48	-	-	5,522	7.07	9,168	7.25	161	7.43
Ring frame	4,445	7.19	6,840	7.27	182	7.42	-	-	4,097	7.18	6,702	7.27	-	-
Open-end	1,111	6.76	2,035	7.02	-	-	-	-	1,036	6.69	2,035	7.02	50	7.87
Other	230	7.00	-	-	-	-	-	-	207	6.98	-	-	-	-
Yarn-dyeing-machine operators	181	6.93	215	7.75	40	7.85	-	-	141	6.67	215	7.75	-	-
Spooling, winding, and twisting														
Twister operators	1,682	6.78	4,597	7.22	106	7.61	77	\$6.07	1,436	6.75	4,416	7.25	-	-
Uptwisters (synthetic fiber)	301	6.60	-	-	-	-	-	-	254	6.70	-	-	-	-
Yarn winders	5,486	7.12	7,416	7.18	309	6.96	232	6.37	4,882	7.16	7,257	7.18	-	-
Slashing and warping														
Slasher operators	1,117	8.26	1,208	8.01	22	8.86	50	8.31	1,006	8.25	1,202	8.01	-	-
Warper operators	1,676	7.83	1,354	7.39	56	8.19	80	7.97	1,457	7.79	1,354	7.39	75	8.13
Slow speed	236	7.80	170	7.51	22	8.11	-	-	200	7.70	170	7.51	-	-
High speed	1,440	7.84	1,184	7.37	34	8.25	74	7.92	1,257	7.81	1,184	7.37	75	8.13

See footnotes at end of table.

Table 5. Cotton and synthetic fiber textile plants: Occupational averages by type of area—Continued

(Number and average straight-time hourly earnings¹ of workers in selected occupations, United States and selected regions,² August 1990)

Occupation ³	United States ⁴				New England		Middle Atlantic		Southeast				Southwest	
	Metropolitan areas ⁵		Nonmetropolitan areas		Metropolitan areas ⁵		Metropolitan areas ⁵		Metropolitan areas ⁵		Nonmetropolitan areas		Metropolitan areas ⁵	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Weaving														
Battery operators	624	\$6.60	569	\$6.82	-	-	-	-	521	\$6.55	569	\$6.82	-	-
Cloth doffers	1,114	6.92	647	6.69	77	\$7.53	70	\$6.94	944	6.86	639	6.68	-	-
Drawing-in-machine operators	323	8.29	302	8.44	35	8.30	12	8.05	266	8.24	292	8.41	-	-
Loom fixers	3,966	9.77	2,663	9.78	302	9.70	260	9.65	3,297	9.81	2,647	9.78	75	\$9.96
Box shuttle looms	167	9.50	352	10.02	-	-	-	-	125	9.82	352	10.02	-	-
Jacquard shuttle looms	124	9.62	-	-	-	-	47	9.56	-	-	-	-	-	-
Plain and dobby shuttle looms	771	9.65	-	-	-	-	27	10.23	678	9.64	-	-	-	-
Shuttleless looms	2,300	9.91	1,895	9.77	224	9.71	100	9.75	1,919	9.94	1,895	9.77	57	10.01
Other (including combination)	604	9.50	197	9.31	-	-	-	-	506	9.56	181	9.25	-	-
Loom-winder operators	263	6.81	-	-	-	-	55	6.68	-	-	-	-	-	-
Tying-in-machine operators	856	8.55	646	8.49	88	9.76	69	8.19	646	8.45	636	8.50	-	-
Weavers, shuttle looms	2,254	8.44	929	8.78	-	-	141	8.99	1,895	8.33	902	8.79	-	-
Box looms, automatic	233	7.35	434	9.19	-	-	-	-	225	7.25	434	9.19	-	-
Box looms, nonautomatic	110	8.96	-	-	-	-	-	-	-	-	-	-	-	-
Dobby looms	451	8.86	-	-	-	-	-	-	374	8.82	-	-	-	-
Jacquard looms	191	9.12	-	-	-	-	-	-	-	-	-	-	-	-
Plain looms	1,004	8.18	-	-	-	-	-	-	988	8.17	-	-	-	-
Other (including combination)	265	8.93	-	-	-	-	-	-	205	8.79	-	-	-	-
Weavers, shuttleless looms	5,906	8.91	5,804	8.73	197	9.28	187	7.89	5,392	8.91	5,790	8.73	130	9.47
Air-jet looms	1,701	8.92	1,752	9.06	-	-	-	-	1,638	8.93	1,746	9.06	-	-
Water-jet looms	225	8.50	-	-	-	-	-	-	225	8.50	-	-	-	-
Rapier	1,308	8.73	860	8.44	185	9.35	87	8.81	1,036	8.61	852	8.44	-	-
Projectile (sulzer)	1,937	8.99	2,298	8.72	-	-	-	-	1,856	9.01	2,298	8.72	-	-
Other (including combination)	735	9.08	529	8.27	-	-	-	-	637	9.25	529	8.27	-	-
Cloth room														
Cloth inspectors, machine	2,263	6.99	1,671	6.73	158	8.00	130	6.77	1,895	6.93	1,657	6.73	-	-
Cloth menders	251	7.45	-	-	136	7.83	-	-	81	6.82	-	-	-	-

See footnotes at end of table.

Table 5. Cotton and synthetic fiber textile plants: Occupational averages by type of area—Continued

(Number and average straight-time hourly earnings¹ of workers in selected occupations, United States and selected regions,² August 1990)

Occupation ³	United States ⁴				New England		Middle Atlantic		Southeast				Southwest	
	Metropolitan areas ⁵		Nonmetropolitan areas		Metropolitan areas ⁵		Metropolitan areas ⁵		Metropolitan areas ⁵		Nonmetropolitan areas		Metropolitan areas ⁵	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Maintenance and miscellaneous														
Carpenters	131	\$9.03	177	\$9.43	9	\$9.99	-	-	115	\$9.03	177	\$9.43	-	-
Electricians	568	10.33	694	10.20	27	11.91	7	\$9.78	511	10.23	690	10.20	-	-
Electronics technicians	66	10.68	102	10.87	-	-	-	-	55	10.52	102	10.87	-	-
Level I	25	9.32	18	9.64	-	-	-	-	25	9.32	18	9.64	-	-
Level II	24	11.00	65	11.02	-	-	-	-	13	10.57	65	11.02	-	-
Level III	17	12.24	-	-	-	-	-	-	17	12.24	-	-	-	-
General maintenance workers	401	8.21	357	7.71	38	10.22	69	8.35	270	7.83	351	7.70	-	-
Handtruck operators	949	6.40	1,433	6.27	97	7.34	6	6.49	838	6.30	1,433	6.27	-	-
Janitors, porters, or cleaners	1,320	6.20	2,274	6.49	56	7.11	53	6.86	1,185	6.13	2,264	6.49	18	\$6.23
Machinists	198	9.75	135	9.83	15	11.10	7	9.60	172	9.61	132	9.85	-	-
Mechanics	736	9.92	710	9.52	-	-	42	8.65	620	10.03	679	9.56	39	8.83
Powertruck operators	926	6.71	1,180	6.90	59	7.93	-	-	820	6.64	1,174	6.89	18	6.78
Forklift operators	849	6.74	1,146	6.89	54	7.86	11	7.27	768	6.65	1,140	6.88	16	6.82
Other than forklift	77	6.34	-	-	-	-	-	-	52	6.44	-	-	-	-

¹ Excludes premium pay for overtime and for work on weekends, holidays, and late shifts. Incentive payments, such as those resulting from piecework or production bonus systems, and cost-of-living pay increases (but not bonuses) were included as part of the workers' regular pay. Excluded are performance bonuses and lump-sum payments of the type negotiated in the auto and aerospace industries, as well as profit-sharing payments, attendance bonuses, Christmas or yearend bonuses, and other nonproduction bonuses.

² For definition of regions, see appendix A, table A-1, footnote 1.

³ Data for overall occupation may include data for subclassifications not shown separately.

rately.

⁴ Includes data for regions in addition to those shown separately.

⁵ Metropolitan Statistical Areas as defined by the U.S. Office of Management and Budget through October 1984.

NOTE: Dashes indicate that no data were reported or data did not meet publication criteria.

Table 6. Cotton and synthetic fiber textile plants: Occupational averages by size of plant¹

(Number and average straight-time hourly earnings² of workers in selected occupations, United States and selected regions,³ August 1990)

Occupation ⁴	United States ⁵				New England				Middle Atlantic		Southeast				Southwest	
	100-499 workers		500 workers or more		100-499 workers		500 workers or more		100-499 workers		100-499 workers		500 workers or more		100-499 workers	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Carding and drawing																
Card grinders	279	\$8.87	86	\$8.59	-	-	-	-	-	-	273	\$8.87	84	\$8.56	-	-
Card operators (finishers)	2,238	7.30	810	7.20	28	\$7.68	27	\$7.59	-	-	2,083	7.33	765	7.19	-	-
Card strippers	96	6.10	83	6.49	-	-	-	-	-	-	93	6.06	74	6.47	-	-
Comber operators	302	7.51	175	7.21	-	-	-	-	-	-	297	7.50	172	7.21	-	-
Drawing-frame operators	2,031	7.30	1,165	7.54	-	-	-	-	-	-	1,935	7.32	1,132	7.52	28	\$6.88
Opener operators	1,225	6.65	320	6.76	-	-	-	-	-	-	1,193	6.65	307	6.77	-	-
Picker operators	132	7.28	-	-	-	-	-	-	-	-	119	7.34	-	-	-	-
Pin-drafter operators	620	7.12	101	7.84	-	-	-	-	-	-	589	7.13	87	7.86	-	-
Roving operators	1,364	7.92	927	8.00	-	-	-	-	-	-	1,344	7.92	919	7.99	-	-
Texturing-machine operators	1,304	6.04	-	-	-	-	-	-	-	-	1,261	6.03	-	-	-	-
Spinning																
Doffers	3,346	7.71	2,042	7.91	-	-	-	-	-	-	3,288	7.71	2,031	7.91	-	-
Section fixers	2,678	8.55	1,105	9.31	33	8.42	-	-	-	-	2,571	8.56	1,047	9.33	42	8.05
Air-jet	318	8.34	221	9.33	-	-	-	-	-	-	284	8.39	186	9.38	-	-
Ring frame	1,695	8.53	497	9.19	18	8.27	-	-	-	-	1,649	8.54	494	9.20	-	-
Open-end	591	8.62	339	9.40	-	-	-	-	-	-	576	8.64	329	9.40	-	-
Other	74	9.10	-	-	-	-	-	-	-	-	62	9.23	-	-	-	-
Spinners	10,871	7.13	4,460	7.33	162	7.32	85	7.80	-	-	10,365	7.13	4,325	7.31	111	7.20
Ring frame	7,968	7.16	3,317	7.42	97	7.10	85	7.80	-	-	7,592	7.17	3,207	7.40	-	-
Open-end	2,355	6.90	791	7.01	-	-	-	-	-	-	2,302	6.89	769	6.97	-	-
Other	305	7.90	-	-	-	-	-	-	-	-	268	8.03	-	-	-	-
Yarn-dyeing-machine operators	243	7.32	153	7.46	40	7.85	-	-	-	-	203	7.22	153	7.46	-	-
Spooling, winding, and twisting																
Twister operators	5,413	7.10	866	7.15	87	7.53	-	-	77	\$6.07	5,008	7.12	844	7.13	-	-
Uptwisters (synthetic fiber)	610	6.70	-	-	-	-	-	-	-	-	546	6.75	-	-	-	-
Yarn winders	9,481	7.11	3,421	7.27	240	6.87	-	-	232	6.37	8,807	7.13	3,332	7.27	41	7.17
Slashing and warping																
Slasher operators	1,017	8.26	1,308	8.02	14	8.98	-	-	50	8.31	933	8.25	1,275	8.02	20	8.13
Warper operators	1,482	7.54	1,548	7.73	22	7.97	34	8.34	80	7.97	1,361	7.51	1,450	7.69	-	-
Slow speed	214	7.71	192	7.66	-	-	-	-	-	-	191	7.62	179	7.60	-	-
High speed	1,268	7.51	1,356	7.74	13	8.13	21	8.32	74	7.92	1,170	7.49	1,271	7.70	-	-

See footnotes at end of table.

Table 6. Cotton and synthetic fiber textile plants: Occupational averages by size of plant¹—Continued

(Number and average straight-time hourly earnings² of workers in selected occupations, United States and selected regions,³ August 1990)

Occupation ⁴	United States ⁵				New England				Middle Atlantic		Southeast				Southwest	
	100-499 workers		500 workers or more		100-499 workers		500 workers or more		100-499 workers		100-499 workers		500 workers or more		100-499 workers	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Weaving																
Battery operators	613	\$6.68	580	\$6.72	-	-	-	-	-	-	570	\$6.71	520	\$6.67	-	-
Cloth doffers	782	6.69	979	6.96	39	\$7.45	38	\$7.62	70	\$6.94	654	6.61	929	6.92	19	\$6.92
Drawing-in-machine operators	398	8.38	227	8.33	20	7.77	15	9.00	12	8.05	351	8.37	207	8.27	-	-
Loom fixers	3,599	9.74	3,030	9.83	146	10.12	-	-	260	9.65	3,109	9.75	2,835	9.85	52	9.71
Box shuttle looms	383	9.90	136	9.74	-	-	-	-	-	-	341	10.06	136	9.74	-	-
Jacquard shuttle looms	124	9.62	-	-	-	-	-	-	47	9.56	-	-	-	-	-	-
Plain and dobby shuttle looms	427	9.69	563	9.74	-	-	-	-	27	10.23	334	9.68	563	9.74	-	-
Shuttleless looms	2,294	9.83	1,901	9.87	68	10.64	-	-	100	9.75	2,093	9.82	1,721	9.91	-	-
Other (including combination)	371	9.06	430	9.79	-	-	-	-	-	-	272	9.01	415	9.79	-	-
Loom-winder operators	261	6.74	443	6.54	-	-	-	-	55	6.68	200	6.74	435	6.54	-	-
Tying-in-machine operators	746	8.52	756	8.52	34	9.12	54	10.15	69	8.19	599	8.58	683	8.39	32	8.02
Weavers, shuttle looms	1,499	8.84	1,684	8.27	-	-	-	-	141	8.99	1,173	8.83	1,624	8.23	-	-
Box looms, automatic	517	8.89	-	-	-	-	-	-	-	-	509	8.87	-	-	-	-
Box looms, nonautomatic	110	8.96	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dobby looms	208	8.50	542	8.81	-	-	-	-	-	-	-	-	542	8.81	-	-
Jacquard looms	191	9.12	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plain looms	384	8.92	769	7.91	-	-	-	-	-	-	368	8.91	769	7.91	-	-
Other (including combination)	89	8.21	223	8.83	-	-	-	-	-	-	89	8.21	-	-	-	-
Weavers, shuttleless looms	5,798	8.69	5,912	8.94	125	9.26	-	-	187	7.89	5,379	8.70	5,803	8.92	107	8.67
Air-jet looms	1,714	9.01	1,739	8.98	-	-	-	-	-	-	1,645	9.02	1,739	8.98	-	-
Water-jet looms	319	8.58	-	-	-	-	-	-	-	-	319	8.58	-	-	-	-
Rapier	1,392	8.59	776	8.65	113	9.37	-	-	87	8.81	1,184	8.50	704	8.59	-	-
Projectile (sulzer)	1,676	8.65	2,559	8.98	-	-	-	-	-	-	1,595	8.65	2,559	8.98	-	-
Other (including combination)	697	8.26	567	9.33	-	-	-	-	-	-	636	8.48	530	9.19	-	-
Cloth room																
Cloth inspectors, machine	2,175	6.82	1,759	6.95	78	8.04	80	7.95	130	6.77	1,932	6.77	1,620	6.90	35	6.68
Cloth menders	139	7.21	-	-	44	7.40	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 6. Cotton and synthetic fiber textile plants: Occupational averages by size of plant¹—Continued

(Number and average straight-time hourly earnings² of workers in selected occupations, United States and selected regions,³ August 1990)

Occupation ⁴	United States ⁵				New England				Middle Atlantic		Southeast				Southwest	
	100-499 workers		500 workers or more		100-499 workers		500 workers or more		100-499 workers		100-499 workers		500 workers or more		100-499 workers	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Maintenance and miscellaneous																
Carpenters	205	\$9.28	103	\$9.23	-	-	-	-	-	-	194	\$9.34	98	\$9.16	-	-
Electricians	686	9.95	576	10.63	10	\$11.18	-	-	7	\$9.78	652	9.91	549	10.57	-	-
Electronics technicians	87	10.20	81	11.44	-	-	-	-	-	-	79	10.13	78	11.38	-	-
Level I	34	9.23	9	10.32	-	-	-	-	-	-	34	9.23	9	10.32	-	-
Level II	32	10.45	57	11.34	-	-	-	-	-	-	24	10.28	54	11.25	-	-
Level III	-	-	15	12.51	-	-	-	-	-	-	-	-	15	12.51	-	-
General maintenance workers	682	8.14	76	6.45	38	10.22	-	-	69	8.35	545	7.94	76	6.45	-	-
Handtruck operators	1,481	6.27	901	6.41	20	7.04	77	\$7.42	6	6.49	1,447	6.26	824	6.31	-	-
Janitors, porters, or cleaners	1,817	6.11	1,777	6.66	23	7.12	33	7.11	53	6.86	1,714	6.07	1,735	6.66	13	\$6.31
Machinists	219	9.73	114	9.88	8	10.26	7	12.06	7	9.60	201	9.73	103	9.70	-	-
Mechanics	954	9.48	492	10.19	-	-	-	-	42	8.65	814	9.54	485	10.19	36	8.73
Powertruck operators	932	6.78	1,174	6.84	8	8.65	51	7.81	-	-	883	6.78	1,111	6.80	-	-
Forklift operators	894	6.81	1,101	6.84	8	8.65	-	-	11	7.27	865	6.78	1,043	6.80	-	-
Other than forklift	38	6.06	73	6.90	-	-	-	-	-	-	18	6.67	68	6.77	-	-

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¹ Includes only those plants with 100 workers or more at the time of reference of the universe data.

² Excludes premium pay for overtime and for work on weekends, holidays, and late shifts. Incentive payments, such as those resulting from piecework or production bonus systems, and cost-of-living pay increases (but not bonuses) were included as part of the workers' regular pay. Excluded are performance bonuses and lump-sum payments of the type negotiated in the auto and aerospace industries, as well as profit-sharing payments, attendance bonuses, Christmas or yearend bonuses, and

other nonproduction bonuses.

³ For definition of regions, see appendix A, table A-1, footnote 1.

⁴ Data for overall occupation may include data for subclassifications not shown separately.

⁵ Includes data for regions in addition to those shown separately.

NOTE: Dashes indicate that no data were reported or data did not meet publication criteria.

Table 7. Cotton and synthetic fiber textile plants: Occupational averages by type of plant¹

(Number and average straight-time hourly earnings² of workers in selected occupations, United States and selected regions,³ August 1990)

Occupation ⁴	United States ⁵						New England					
	Integrated		Weaving		Yarn or thread		Integrated		Weaving		Yarn or thread	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Carding and drawing												
Card grinders	198	\$8.94	-	-	167	\$8.65	-	-	-	-	-	-
Card operators (finishers)	1,191	7.20	-	-	1,828	7.32	37	\$7.73	-	-	-	-
Card strippers	131	6.27	-	-	48	6.32	-	-	-	-	-	-
Comber operators	253	7.25	-	-	224	7.57	-	-	-	-	-	-
Drawing-frame operators	1,805	7.51	-	-	1,391	7.24	-	-	-	-	-	-
Opener operators	518	6.60	-	-	1,027	6.71	-	-	-	-	-	-
Picker operators	67	6.94	-	-	98	7.38	-	-	-	-	-	-
Pin-drafter operators	16	7.74	-	-	705	7.21	16	7.74	-	-	-	-
Roving operators	1,314	8.11	-	-	977	7.74	-	-	-	-	-	-
Texturing-machine operators	-	-	-	-	1,658	6.58	-	-	-	-	-	-
Spinning												
Doffers	2,951	8.00	-	-	2,431	7.53	-	-	-	-	-	-
Section fixers	1,678	9.09	-	-	2,099	8.51	-	-	-	-	20	\$8.17
Air-jet	275	9.22	-	-	264	8.25	-	-	-	-	-	-
Ring frame	922	8.95	-	-	1,270	8.49	9	9.07	-	-	-	-
Open-end	400	9.24	-	-	530	8.65	-	-	-	-	-	-
Other	81	9.60	-	-	35	8.97	-	-	-	-	-	-
Spinners	6,127	7.25	11	\$8.07	9,193	7.14	142	7.69	-	-	105	7.20
Ring frame	4,485	7.30	-	-	6,800	7.20	101	7.73	-	-	81	7.04
Open-end	1,183	7.03	-	-	1,963	6.86	-	-	-	-	-	-
Other	85	6.63	-	-	270	7.96	-	-	-	-	-	-
Yarn-dyeing-machine operators	228	7.63	-	-	160	7.01	-	-	-	-	-	-
Spooling, winding, and twisting												
Twister operators	686	7.16	364	6.89	5,229	7.11	22	8.38	-	-	79	7.27
Uptwisters (synthetic fiber)	-	-	155	6.85	-	-	-	-	-	-	-	-
Yarn winders	4,300	7.32	167	6.69	8,435	7.07	82	7.31	-	-	225	6.83
Slashing and warping												
Slasher operators	1,471	8.16	685	8.06	169	8.12	-	-	10	\$9.32	-	-
Warper operators	1,622	7.30	462	7.31	946	8.37	48	8.22	8	8.06	-	-
Slow speed	253	7.76	105	7.88	48	6.82	20	8.11	-	-	-	-
High speed	1,369	7.22	357	7.14	898	8.45	28	8.29	6	8.03	-	-

See footnotes at end of table.

Table 7. Cotton and synthetic fiber textile plants: Occupational averages by type of plant¹—Continued

(Number and average straight-time hourly earnings² of workers in selected occupations, United States and selected regions,³ August 1990)

Occupation ⁴	United States ⁵						New England					
	Integrated		Weaving		Yarn or thread		Integrated		Weaving		Yarn or thread	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Weaving												
Battery operators	1,083	\$6.74	110	\$6.29	-	-	-	-	-	-	-	-
Cloth doffers	1,043	6.80	718	6.90	-	-	51	\$7.61	-	-	-	-
Drawing-in-machine operators	396	8.42	225	8.29	-	-	18	8.72	17	\$7.84	-	-
Loom fixers	3,969	9.76	2,614	9.82	-	-	-	-	121	10.09	-	-
Box shuttle looms	411	9.90	62	10.59	-	-	-	-	-	-	-	-
Jacquard shuttle looms	-	-	121	9.60	-	-	-	-	-	-	-	-
Plain and dobby shuttle looms	814	9.70	176	9.78	-	-	-	-	-	-	-	-
Shuttleless looms	2,106	9.85	2,089	9.84	-	-	-	-	56	10.78	-	-
Other (including combination)	635	9.44	-	-	-	-	-	-	-	-	-	-
Loom-winder operators	210	6.62	494	6.61	-	-	-	-	-	-	-	-
Tying-in-machine operators	1,084	8.48	418	8.64	-	-	62	9.96	26	9.28	-	-
Weavers, shuttle looms	2,461	8.47	722	8.77	-	-	-	-	-	-	-	-
Box looms, automatic	446	8.41	-	-	-	-	-	-	-	-	-	-
Dobby looms	571	8.85	179	8.32	-	-	-	-	-	-	-	-
Jacquard looms	-	-	187	9.14	-	-	-	-	-	-	-	-
Plain looms	1,137	8.23	-	-	-	-	-	-	-	-	-	-
Other (including combination)	208	8.69	-	-	-	-	-	-	-	-	-	-
Weavers, shuttleless looms	8,238	8.91	3,472	8.60	-	-	99	9.08	98	9.48	-	-
Air-jet looms	2,726	9.06	727	8.75	-	-	-	-	-	-	-	-
Water-jet looms	-	-	496	8.56	-	-	-	-	-	-	-	-
Rapier	1,448	8.58	720	8.68	-	-	93	9.22	92	9.48	-	-
Projectile (sulzer)	2,910	8.96	1,325	8.59	-	-	-	-	-	-	-	-
Other (including combination)	1,060	8.89	204	7.99	-	-	-	-	-	-	-	-
Cloth room												
Cloth inspectors, machine	2,401	6.87	1,533	6.88	-	-	125	7.99	33	8.04	-	-
Cloth menders	144	7.65	107	7.18	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 7. Cotton and synthetic fiber textile plants: Occupational averages by type of plant¹—Continued

(Number and average straight-time hourly earnings² of workers in selected occupations, United States and selected regions,³ August 1990)

Occupation ⁴	United States ⁵						New England					
	Integrated		Weaving		Yarn or thread		Integrated		Weaving		Yarn or thread	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Maintenance and miscellaneous												
Carpenters	155	\$8.94	17	\$9.37	136	\$9.61	6	\$10.43	-	-	-	-
Electricians	672	10.57	158	10.17	432	9.81	21	12.41	-	-	-	-
Electronics technicians	64	11.01	19	10.47	85	10.71	-	-	-	-	-	-
Level I	-	-	-	-	27	9.02	-	-	-	-	-	-
Level II	48	10.75	-	-	-	-	-	-	-	-	-	-
Level III	11	12.61	-	-	25	11.54	-	-	-	-	-	-
General maintenance workers	170	7.32	180	7.70	408	8.37	-	-	11	\$8.97	21	\$10.79
Handtruck operators	1,064	6.31	139	6.72	1,179	6.28	78	7.42	8	7.88	-	-
Janitors, porters, or cleaners	2,250	6.59	346	6.21	998	5.97	39	7.16	9	7.68	8	6.23
Machinists	181	9.85	51	9.72	101	9.70	10	11.56	-	-	-	-
Mechanics	614	9.95	286	9.94	546	9.36	-	-	-	-	-	-
Powertruck operators	1,228	6.76	250	6.72	628	6.96	51	7.81	7	8.77	-	-
Forklift operators	1,174	6.76	217	6.82	604	6.96	-	-	7	8.77	-	-
Other than forklift	54	6.76	-	-	24	6.98	-	-	-	-	-	-

See footnotes at end of table.

Table 7. Cotton and synthetic fiber textile plants: Occupational averages by type of plant¹—Continued

(Number and average straight-time hourly earnings² of workers in selected occupations, United States and selected regions,³ August 1990)

Occupation ⁴	Middle Atlantic						Southeast						Southwest	
	Integrated		Weaving		Yarn or thread		Integrated		Weaving		Yarn or thread		Integrated	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Carding and drawing														
Card grinders	-	-	-	-	-	-	192	\$8.93	-	-	165	\$8.64	-	-
Card operators (finishers)	-	-	-	-	-	-	1,103	7.20	-	-	1,730	7.34	31	\$7.18
Card strippers	-	-	-	-	-	-	121	6.24	-	-	46	6.25	-	-
Comber operators	-	-	-	-	-	-	245	7.23	-	-	224	7.57	-	-
Drawing-frame operators	-	-	-	-	-	-	1,750	7.50	-	-	1,317	7.26	37	8.20
Opener operators	-	-	-	-	-	-	490	6.59	-	-	1,010	6.71	22	6.54
Picker operators	-	-	-	-	-	-	65	6.83	-	-	96	7.40	-	-
Pin-drafter operators	-	-	-	-	-	-	-	-	-	-	676	7.23	-	-
Roving operators	-	-	-	-	-	-	1,295	8.11	-	-	968	7.74	-	-
Texturing-machine operators	-	-	-	-	-	-	-	-	-	-	1,633	6.58	-	-
Spinning														
Doffers	-	-	-	-	-	-	2,923	8.00	-	-	2,396	7.53	-	-
Section fixers	-	-	-	-	-	-	1,593	9.11	-	-	2,025	8.53	32	8.61
Air-jet	-	-	-	-	-	-	238	9.27	-	-	232	8.28	-	-
Ring frame	-	-	-	-	-	-	909	8.95	-	-	1,234	8.51	-	-
Open-end	-	-	-	-	-	-	375	9.29	-	-	530	8.65	18	8.61
Other	-	-	-	-	-	-	71	9.76	-	-	29	9.24	-	-
Spinners	-	-	-	-	-	-	5,868	7.23	-	-	8,814	7.15	-	-
Ring frame	-	-	-	-	-	-	4,320	7.28	-	-	6,479	7.21	-	-
Open-end	-	-	-	-	-	-	1,108	6.99	-	-	1,963	6.86	50	7.87
Other	-	-	-	-	-	-	85	6.63	-	-	236	8.13	-	-
Yarn-dyeing-machine operators	-	-	-	-	-	-	212	7.59	-	-	136	6.88	-	-
Spooling, winding, and twisting														
Twister operators	-	-	-	-	-	-	651	7.10	315	\$6.92	4,886	7.14	-	-
Uptwisters (synthetic fiber)	-	-	-	-	-	-	-	-	141	6.86	-	-	-	-
Yarn winders	-	-	-	-	185	\$6.30	4,161	7.31	122	6.78	7,856	7.10	-	-
Slashing and warping														
Slasher operators	-	-	40	\$8.20	-	-	1,414	8.15	629	8.02	165	8.16	-	-
Warper operators	-	-	68	7.35	-	-	1,479	7.19	386	7.28	946	8.37	75	8.13
Slow speed	-	-	-	-	-	-	225	7.69	97	7.83	48	6.82	-	-
High speed	-	-	62	7.23	-	-	1,254	7.10	289	7.10	898	8.45	75	8.13

See footnotes at end of table.

Table 7. Cotton and synthetic fiber textile plants: Occupational averages by type of plant¹—Continued

(Number and average straight-time hourly earnings² of workers in selected occupations, United States and selected regions,³ August 1990)

Occupation ⁴	Middle Atlantic						Southeast						Southwest	
	Integrated		Weaving		Yarn or thread		Integrated		Weaving		Yarn or thread		Integrated	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Weaving														
Battery operators	-	-	-	-	-	-	1,014	\$6.71	76	\$6.46	-	-	-	-
Cloth doffers	24	\$8.01	46	\$6.38	-	-	945	6.71	638	6.91	-	-	-	-
Drawing-in-machine operators	-	-	-	-	-	-	360	8.37	194	8.29	-	-	-	-
Loom fixers	-	-	168	9.32	-	-	3,589	9.78	2,309	9.84	-	-	-	-
Box shuttle looms	-	-	-	-	-	-	375	10.12	-	-	-	-	75	\$9.96
Jacquard shuttle looms	-	-	47	9.56	-	-	-	-	-	-	-	-	-	-
Plain and dobby shuttle looms	-	-	-	-	-	-	794	9.68	-	-	-	-	-	-
Shuttleless looms	-	-	82	9.25	-	-	1,863	9.87	1,951	9.84	-	-	-	-
Other (including combination)	-	-	-	-	-	-	557	9.41	-	-	-	-	57	10.01
Loom-winder operators	-	-	-	-	-	-	196	6.63	439	6.59	-	-	-	-
Tying-in-machine operators	18	9.16	51	7.85	-	-	951	8.39	331	8.73	-	-	-	-
Weavers, shuttle looms	-	-	117	8.80	-	-	2,273	8.41	524	8.77	-	-	-	-
Box looms, automatic	-	-	-	-	-	-	446	8.41	-	-	-	-	-	-
Dobby looms	-	-	-	-	-	-	542	8.81	-	-	-	-	-	-
Jacquard looms	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plain looms	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other (including combination)	-	-	-	-	-	-	1,137	8.23	-	-	-	-	-	-
Weavers, shuttleless looms	-	-	159	7.52	-	-	7,981	8.89	3,201	8.63	-	-	130	9.47
Air-jet looms	-	-	-	-	-	-	2,711	9.06	673	8.75	-	-	-	-
Water-jet looms	-	-	-	-	-	-	-	-	496	8.56	-	-	-	-
Rapier	-	-	59	8.25	-	-	1,327	8.51	561	8.59	-	-	-	-
Projectile (sulzer)	-	-	-	-	-	-	2,835	8.97	1,319	8.59	-	-	-	-
Other (including combination)	-	-	-	-	-	-	1,014	8.80	-	-	-	-	-	-
Cloth room														
Cloth inspectors, machine	26	7.88	104	6.49	-	-	2,170	6.80	1,382	6.88	-	-	-	-
Cloth menders	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 7. Cotton and synthetic fiber textile plants: Occupational averages by type of plant¹—Continued

(Number and average straight-time hourly earnings² of workers in selected occupations, United States and selected regions,³ August 1990)

Occupation ⁴	Middle Atlantic						Southeast						Southwest	
	Integrated		Weaving		Yarn or thread		Integrated		Weaving		Yarn or thread		Integrated	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Maintenance and miscellaneous														
Carpenters	-	-	-	-	-	-	144	\$8.92	14	\$9.61	134	\$9.62	-	-
Electricians	-	-	-	-	-	-	627	10.49	150	10.20	424	9.81	-	-
Electronics technicians	-	-	-	-	-	-	59	10.88	13	10.39	85	10.71	-	-
Level I	-	-	-	-	-	-	-	-	-	-	27	9.02	-	-
Level II	-	-	-	-	-	-	43	10.54	-	-	-	-	-	-
Level III	-	-	-	-	-	-	11	12.61	-	-	25	11.54	-	-
General maintenance workers	16	\$9.39	39	\$8.13	14	\$7.77	127	6.71	127	7.38	367	8.25	-	-
Handtruck operators	-	-	-	-	-	-	978	6.23	129	6.66	1,164	6.28	-	-
Janitors, porters, or cleaners	-	-	34	6.48	-	-	2,174	6.58	295	6.14	980	5.97	17	\$6.22
Machinists	-	-	7	9.60	-	-	167	9.72	39	9.68	98	9.73	-	-
Mechanics	-	-	-	-	-	-	571	10.00	240	10.05	488	9.41	-	-
Powertruck operators	-	-	-	-	-	-	1,162	6.71	219	6.75	613	6.95	15	6.73
Forklift operators	-	-	-	-	-	-	1,115	6.72	204	6.74	589	6.95	-	-
Other than forklift	-	-	-	-	-	-	47	6.58	-	-	24	6.98	-	-

¹ Integrated plants combine spinning and weaving processes within the same plant; weaving plants produce broadwoven fabric from purchased yarn or thread; yarn or thread plants process fibers into yarn or thread.

² Excludes premium pay for overtime and for work on weekends, holidays, and late shifts. Incentive payments, such as those resulting from piecework or production bonus systems, and cost-of-living pay increases (but not bonuses) were included as part of the workers' regular pay. Excluded are performance bonuses and lump-sum payments of the type negotiated in the auto and aerospace industries, as well as profit-sharing payments,

attendance bonuses, Christmas or yearend bonuses, and other nonproduction bonuses.

³ For definition of regions, see appendix A, table A-1, footnote 1.

⁴ Data for overall occupation may include data for subclassifications not shown separately.

⁵ Includes data for regions in addition to those shown separately.

NOTE: Dashes indicate that no data were reported or data did not meet publication criteria.

Table 8. Cotton and synthetic fiber textile plants: Occupational averages by labor-management contract coverage

(Number and average straight-time hourly earnings¹ of workers in selected occupations, United States and selected regions,² August 1990)

Occupation ³	United States ⁴				New England				Middle Atlantic			
	Majority of workers covered		None or minority of workers covered		Majority of workers covered		None or minority of workers covered		Majority of workers covered		None or minority of workers covered	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Carding and drawing												
Card grinders	46	\$8.38	319	\$8.86	-	-	-	-	-	-	-	-
Card operators (finishers)	295	6.98	2,753	7.30	-	-	48	\$7.63	-	-	-	-
Card strippers	-	-	176	6.28	-	-	-	-	-	-	-	-
Comber operators	63	6.62	414	7.52	-	-	-	-	-	-	-	-
Drawing-frame operators	455	7.58	2,741	7.36	-	-	-	-	-	-	-	-
Opener operators	90	6.50	1,455	6.68	-	-	-	-	-	-	-	-
Picker operators	-	-	160	7.19	-	-	-	-	-	-	-	-
Pin-drafter operators	-	-	709	7.22	-	-	-	-	-	-	-	-
Roving operators	328	8.15	1,963	7.92	-	-	17	7.75	-	-	-	-
Texturing-machine operators	-	-	1,707	6.62	-	-	-	-	-	-	-	-
Spinning												
Doffers	709	7.99	4,679	7.76	-	-	-	-	-	-	-	-
Section fixers	235	8.87	3,548	8.76	-	-	63	8.81	-	-	-	-
Air-jet	-	-	490	8.81	-	-	-	-	-	-	-	-
Ring frame	77	8.83	2,115	8.68	-	-	20	8.33	-	-	-	-
Open-end	109	9.21	821	8.86	-	-	-	-	-	-	-	-
Other	-	-	122	9.40	-	-	-	-	-	-	-	-
Spinners	1,312	7.14	14,019	7.19	-	-	203	7.50	-	-	-	-
Ring frame	909	7.22	10,376	7.24	-	-	177	7.45	-	-	-	-
Open-end	268	7.06	2,878	6.91	-	-	-	-	-	-	-	-
Other	-	-	302	7.88	-	-	-	-	-	-	-	-
Yarn-dyeing-machine operators	-	-	349	7.44	-	-	-	-	-	-	-	-
Spooling, winding, and twisting												
Twister operators	138	7.11	6,141	7.10	-	-	98	7.41	-	-	77	\$6.07
Uptwisters (synthetic fiber)	-	-	662	6.71	-	-	-	-	-	-	-	-
Yarn winders	1,114	7.15	11,788	7.15	-	-	307	6.95	-	-	150	5.84
Slashing and warping												
Slasher operators	377	8.16	1,948	8.12	10	\$8.95	-	-	-	-	42	8.20
Warper operators	419	7.38	2,611	7.68	12	7.53	44	8.37	43	\$8.69	37	7.13
Slow speed	36	8.58	370	7.59	-	-	15	8.33	-	-	-	-
High speed	383	7.27	2,241	7.69	-	-	29	8.39	37	8.70	37	7.13

See footnotes at end of table.

Table 8. Cotton and synthetic fiber textile plants: Occupational averages by labor-management contract coverage—Continued

(Number and average straight-time hourly earnings¹ of workers in selected occupations, United States and selected regions,² August 1990)

Occupation ³	United States ¹				New England				Middle Atlantic			
	Majority of workers covered		None or minority of workers covered		Majority of workers covered		None or minority of workers covered		Majority of workers covered		None or minority of workers covered	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Weaving												
Battery operators	-	-	1,027	\$6.66	-	-	-	-	-	-	-	-
Cloth doffers	294	\$6.77	1,467	6.85	-	-	59	\$7.60	30	\$6.91	40	\$6.96
Drawing-in-machine operators	66	8.37	559	8.36	6	\$7.83	29	8.39	-	-	-	-
Loom fixers	928	9.76	5,701	9.78	43	10.44	259	9.57	112	9.86	148	9.49
Box shuttle looms	84	9.67	435	9.89	-	-	-	-	-	-	-	-
Jacquard shuttle looms	-	-	102	9.75	-	-	-	-	-	-	27	10.23
Plain and dobby shuttle looms	-	-	747	9.69	-	-	-	-	-	-	71	9.55
Shuttleless looms	486	9.91	3,709	9.84	34	10.38	-	-	-	-	-	-
Other (including combination)	-	-	708	9.49	-	-	-	-	-	-	-	-
Loom-winder operators	-	-	681	6.62	-	-	-	-	-	-	-	-
Tying-in-machine operators	279	8.40	1,223	8.55	13	9.09	75	9.87	28	8.43	41	8.02
Weavers, shuttle looms	834	8.15	2,349	8.67	-	-	-	-	-	-	70	9.35
Box looms, automatic	276	8.30	391	8.72	-	-	-	-	-	-	-	-
Box looms, nonautomatic	110	8.96	-	-	-	-	-	-	-	-	-	-
Dobby looms	-	-	478	8.84	-	-	-	-	-	-	-	-
Jacquard looms	-	-	137	9.45	-	-	-	-	-	-	-	-
Plain looms	-	-	1,055	8.42	-	-	-	-	-	-	-	-
Other (including combination)	-	-	288	8.89	-	-	-	-	-	-	-	-
Weavers, shuttleless looms	1,878	8.87	9,832	8.81	62	9.27	135	9.28	-	-	135	7.61
Air-jet looms	-	-	3,090	9.05	-	-	-	-	-	-	-	-
Water-jet looms	-	-	590	8.47	-	-	-	-	-	-	-	-
Rapier	163	8.03	2,005	8.66	50	9.52	135	9.28	-	-	35	9.10
Projectile (sulzer)	1,214	9.01	3,021	8.78	-	-	-	-	-	-	-	-
Other (including combination)	-	-	1,126	8.63	-	-	-	-	-	-	-	-
Cloth room												
Cloth inspectors, machine	530	7.04	3,404	6.85	23	8.03	135	7.99	37	7.26	93	6.57
Cloth menders	-	-	211	7.49	-	-	134	7.86	-	-	-	-

See footnotes at end of table.

Table 8. Cotton and synthetic fiber textile plants: Occupational averages by labor-management contract coverage—Continued

(Number and average straight-time hourly earnings¹ of workers in selected occupations, United States and selected regions,² August 1990)

Occupation ³	United States ⁴				New England				Middle Atlantic			
	Majority of workers covered		None or minority of workers covered		Majority of workers covered		None or minority of workers covered		Majority of workers covered		None or minority of workers covered	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Maintenance and miscellaneous												
Carpenters	44	\$9.18	264	\$9.27	-	-	7	\$10.33	-	-	-	-
Electricians	185	10.68	1,077	10.19	6	\$9.93	21	12.47	-	-	-	-
Electronics technicians	-	-	148	10.72	-	-	-	-	-	-	-	-
Level I	-	-	43	9.46	-	-	-	-	-	-	-	-
Level II	-	-	75	11.06	-	-	-	-	-	-	-	-
Level III	-	-	30	11.70	-	-	-	-	-	-	-	-
General maintenance workers	88	8.13	670	7.95	-	-	37	10.24	24	\$8.68	45	\$8.17
Handtruck operators	431	6.12	1,951	6.36	-	-	94	7.32	-	-	6	6.49
Janitors, porters, or cleaners	594	6.38	3,000	6.38	10	7.67	46	6.99	31	7.05	22	6.60
Machinists	48	9.40	285	9.85	7	9.91	8	12.14	-	-	-	-
Mechanics	201	10.59	1,245	9.58	-	-	-	-	-	-	42	8.65
Powertruck operators	315	6.41	1,791	6.89	-	-	58	7.91	-	-	-	-
Forklift operators	286	6.46	1,709	6.89	-	-	53	7.84	-	-	-	-
Other than forklift	-	-	82	6.88	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 8. Cotton and synthetic fiber textile plants: Occupational averages by labor-management contract coverage—Continued

(Number and average straight-time hourly earnings¹ of workers in selected occupations, United States and selected regions,² August 1990)

Occupation ³	Southeast				Southwest	
	Majority of workers covered		None or minority of workers covered		None or minority of workers covered	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Carding and drawing						
Card grinders	44	\$8.36	313	\$8.86	-	-
Card operators (finishers)	245	7.03	2,603	7.32	61	\$6.88
Card strippers	-	-	165	6.24	-	-
Comber operators	63	6.62	406	7.52	-	-
Drawing-frame operators	448	7.59	2,619	7.36	45	7.91
Opener operators	85	6.46	1,415	6.68	22	6.54
Picker operators	-	-	158	7.20	-	-
Pin-drafter operators	-	-	676	7.23	-	-
Roving operators	322	8.16	1,941	7.91	-	-
Texturing-machine operators	-	-	1,675	6.62	-	-
Spinning						
Doffers	692	7.98	4,627	7.76	-	-
Section fixers	219	8.93	3,399	8.78	62	8.34
Air-jet	-	-	423	8.84	-	-
Ring frame	70	8.90	2,073	8.69	-	-
Open-end	102	9.28	803	8.87	18	8.61
Other	-	-	100	9.61	-	-
Spinners	1,236	7.11	13,454	7.19	161	7.43
Ring frame	875	7.20	9,924	7.24	-	-
Open-end	243	7.03	2,828	6.90	50	7.87
Other	-	-	268	8.03	-	-
Yarn-dyeing-machine operators	-	-	323	7.40	-	-
Spooling, winding, and twisting						
Twister operators	105	6.71	5,747	7.13	-	-
Uptwisters (synthetic fiber)	-	-	603	6.76	-	-
Yarn winders	983	7.12	11,156	7.18	-	-
Slashing and warping						
Slasher operators	359	8.12	1,849	8.12	45	8.15
Warper operators	356	7.18	2,455	7.66	75	8.13
Slow speed	-	-	355	7.56	-	-
High speed	341	7.11	2,100	7.67	75	8.13

See footnotes at end of table.

Table 8. Cotton and synthetic fiber textile plants: Occupational averages by labor-management contract coverage—Continued

(Number and average straight-time hourly earnings¹ of workers in selected occupations, United States and selected regions,² August 1990)

Occupation ³	Southeast				Southwest	
	Majority of workers covered		None or minority of workers covered		None or minority of workers covered	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Weaving						
Battery operators	-	-	936	\$6.66	-	-
Cloth doffers	246	\$6.71	1,337	6.81	31	\$7.34
Drawing-in-machine operators	51	8.13	507	8.35	17	8.91
Loom fixers	741	9.82	5,203	9.79	91	9.98
Box shuttle looms	-	-	435	9.89	-	-
Jacquard shuttle looms	-	-	-	-	-	-
Plain and dobby shuttle looms	-	-	654	9.69	-	-
Shuttleless looms	423	9.85	3,391	9.86	57	10.01
Other (including combination)	-	-	654	9.54	34	9.93
Loom-winder operators	-	-	618	6.60	-	-
Tying-in-machine operators	226	8.43	1,056	8.49	51	8.34
Weavers, shuttle looms	662	7.98	2,135	8.63	-	-
Box looms, automatic	-	-	391	8.72	-	-
Box looms, nonautomatic	-	-	-	-	-	-
Dobby looms	-	-	374	8.82	-	-
Jacquard looms	-	-	-	-	-	-
Plain looms	-	-	1,039	8.41	-	-
Other (including combination)	-	-	228	8.74	-	-
Weavers, shuttleless looms	1,764	8.86	9,418	8.81	144	9.38
Air-jet looms	-	-	3,021	9.06	-	-
Water-jet looms	-	-	590	8.47	-	-
Rapier	-	-	1,827	8.61	-	-
Projectile (sulzer)	1,202	9.02	2,952	8.78	-	-
Other (including combination)	-	-	1,028	8.69	-	-
Cloth room						
Cloth inspectors, machine	470	6.98	3,082	6.81	94	6.83
Cloth menders	-	-	77	6.86	-	-

See footnotes at end of table.

Table 8. Cotton and synthetic fiber textile plants: Occupational averages by labor-management contract coverage—Continued

(Number and average straight-time hourly earnings¹ of workers in selected occupations, United States and selected regions,² August 1990)

Occupation ³	Southeast				Southwest	
	Majority of workers covered		None or minority of workers covered		None or minority of workers covered	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Maintenance and miscellaneous						
Carpenters	42	\$9.20	250	\$9.29	-	-
Electricians	169	10.69	1,032	10.14	-	-
Electronics technicians	-	-	138	10.65	-	-
Level I	-	-	43	9.46	-	-
Level II	-	-	65	10.96	-	-
Level III	-	-	30	11.70	-	-
General maintenance workers	50	7.48	571	7.78	-	-
Handtruck operators	428	6.10	1,843	6.32	-	-
Janitors, porters, or cleaners	543	6.32	2,906	6.37	22	\$6.31
Machinists	-	-	268	9.78	-	-
Mechanics	-	-	1,122	9.66	39	8.83
Powertruck operators	289	6.44	1,705	6.85	18	6.78
Forklift operators	278	6.43	1,630	6.85	16	6.82
Other than forklift	-	-	75	6.77	-	-

¹ Excludes premium pay for overtime and for work on weekends, holidays, and late shifts. Incentive payments, such as those resulting from piecework or production bonus systems, and cost-of-living pay increases (but not bonuses) were included as part of the workers' regular pay. Excluded are performance bonuses and lump-sum payments of the type negotiated in the auto and aerospace industries, as well as profit-sharing payments, attendance bonuses, Christmas or yearend bonuses, and other nonproduction bo-

nuses.

² For definition of regions, see appendix A, table A-1, footnote 1.

³ Data for overall occupation may include data for subclassifications not shown separately.

⁴ Includes data for regions in addition to those shown separately.

NOTE: Dashes indicate that no data were reported or data did not meet publication criteria.

Table 9. Cotton and synthetic fiber textile plants: Occupational averages by method of wage payment

(Number and average straight-time hourly earnings¹ of workers in selected occupations, United States and selected regions,² August 1990)

Occupation ³	United States ⁴				New England				Middle Atlantic			
	Timeworkers		Incentive workers		Timeworkers		Incentive workers		Timeworkers		Incentive workers	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Carding and drawing												
Card grinders	362	\$8.81	-	-	-	-	-	-	-	-	-	-
Card operators (finishers)	2,249	7.17	799	\$7.57	55	\$7.64	-	-	-	-	-	-
Card strippers	171	6.24	-	-	6	7.76	-	-	-	-	-	-
Comber operators	262	6.99	215	7.90	-	-	-	-	-	-	-	-
Drawing-frame operators	1,047	7.03	2,149	7.56	-	-	-	-	-	-	-	-
Opener operators	1,476	6.65	69	7.12	-	-	-	-	-	-	-	-
Picker operators	133	6.99	41	7.61	-	-	-	-	-	-	-	-
Pin-drafter operators	666	7.19	55	7.62	17	7.75	-	-	-	-	-	-
Roving operators	610	7.49	1,681	8.12	-	-	-	-	-	-	-	-
Texturing-machine operators	1,693	6.60	-	-	-	-	-	-	-	-	-	-
Spinning												
Doffers	2,217	7.49	3,171	7.99	-	-	-	-	-	-	-	-
Section fixers	3,692	8.80	91	7.50	71	8.73	-	-	-	-	-	-
Air-jet	539	8.75	-	-	-	-	-	-	-	-	-	-
Ring frame	2,115	8.73	-	-	21	8.27	-	-	-	-	-	-
Open-end	916	8.92	-	-	-	-	-	-	-	-	-	-
Other	122	9.40	-	-	-	-	-	-	-	-	-	-
Spinners	11,541	7.14	3,790	7.32	247	7.48	-	-	-	-	-	-
Ring frame	8,455	7.24	2,830	7.24	182	7.42	-	-	-	-	-	-
Open-end	2,407	6.77	739	7.42	-	-	-	-	-	-	-	-
Other	223	7.19	-	-	-	-	-	-	-	-	-	-
Yarn-dyeing-machine operators	346	7.33	-	-	40	7.85	-	-	-	-	-	-
Spooling, winding, and twisting												
Twister operators	5,086	7.09	1,193	7.18	98	7.41	-	-	61	\$6.10	-	-
Uptwisters (synthetic fiber)	629	6.68	-	-	-	-	-	-	-	-	-	-
Yarn winders	6,725	6.98	6,177	7.34	265	6.89	-	-	232	6.37	-	-
Slashing and warping												
Slasher operators	2,270	8.12	55	8.61	21	8.93	-	-	29	7.89	21	\$8.88
Warper operators	2,589	7.58	441	7.97	55	8.21	-	-	64	7.93	-	-
Slow speed	280	7.33	126	8.46	22	8.11	-	-	-	-	-	-
High speed	2,309	7.61	315	7.77	33	8.27	-	-	58	7.86	-	-

See footnotes at end of table.

Table 9. Cotton and synthetic fiber textile plants: Occupational averages by method of wage payment—Continued

(Number and average straight-time hourly earnings¹ of workers in selected occupations, United States and selected regions,² August 1990)

Occupation ³	United States ⁴				New England				Middle Atlantic			
	Timeworkers		Incentive workers		Timeworkers		Incentive workers		Timeworkers		Incentive workers	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Weaving												
Battery operators	1,052	\$6.68	141	\$6.88	-	-	-	-	-	-	-	-
Cloth doffers	1,693	6.82	68	7.20	53	\$7.56	-	-	62	\$6.89	-	-
Drawing-in-machine operators	540	8.44	85	7.90	30	8.24	-	-	-	-	-	-
Loom fixers	5,801	9.80	828	9.65	266	9.43	36	\$11.66	129	9.34	131	\$9.95
Box shuttle looms	517	9.85	-	-	-	-	-	-	-	-	-	-
Jacquard shuttle looms	96	9.44	-	-	-	-	-	-	-	-	-	-
Plain and dobby shuttle looms	907	9.74	83	9.50	-	-	-	-	-	-	-	-
Shuttleless looms	3,680	9.84	-	-	-	-	36	11.66	74	9.63	26	10.07
Other (including combination)	601	9.61	200	8.97	-	-	-	-	-	-	-	-
Loom-winder operators	624	6.63	80	6.49	-	-	-	-	-	-	-	-
Tying-in-machine operators	1,396	8.52	106	8.62	65	8.99	-	-	44	8.24	25	8.10
Weavers, shuttle looms	883	8.69	2,300	8.48	-	-	-	-	-	-	70	9.35
Box looms, automatic	-	-	494	8.27	-	-	-	-	-	-	-	-
Dobby looms	588	8.61	162	9.12	-	-	-	-	-	-	-	-
Jacquard looms	-	-	133	9.58	-	-	-	-	-	-	-	-
Plain looms	-	-	1,149	8.24	-	-	-	-	-	-	-	-
Other (including combination)	-	-	289	8.67	-	-	-	-	-	-	-	-
Weavers, shuttleless looms	2,393	8.36	9,317	8.93	-	-	110	10.05	104	7.06	83	8.93
Air-jet looms	759	8.66	2,694	9.09	-	-	-	-	-	-	-	-
Water-jet looms	494	8.63	-	-	-	-	-	-	-	-	-	-
Rapier	539	8.15	1,629	8.77	-	-	104	10.08	-	-	35	9.10
Projectile (sulzer)	361	8.14	3,874	8.91	-	-	-	-	-	-	-	-
Other (including combination)	240	7.70	1,024	8.99	-	-	-	-	-	-	-	-
Cloth room												
Cloth inspectors, machine	3,671	6.88	263	6.86	155	8.00	-	-	118	6.63	-	-
Cloth menders	213	7.47	-	-	136	7.83	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Cotton and synthetic fiber textile plants: Occupational averages by method of wage payment—Continued(Number and average straight-time hourly earnings¹ of workers in selected occupations, United States and selected regions,² August 1990)

Occupation ³	United States ⁴				New England				Middle Atlantic			
	Timeworkers		Incentive workers		Timeworkers		Incentive workers		Timeworkers		Incentive workers	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Maintenance and miscellaneous												
Carpenters	301	\$9.29	-	-	9	\$9.99	-	-	-	-	-	-
Electricians	1,256	10.26	-	-	26	12.00	-	-	7	\$9.78	-	-
Electronics technicians	159	10.82	-	-	-	-	-	-	-	-	-	-
Level I	43	9.46	-	-	-	-	-	-	-	-	-	-
Level II	83	11.09	-	-	-	-	-	-	-	-	-	-
Level III	33	11.91	-	-	-	-	-	-	-	-	-	-
General maintenance workers	747	7.96	11	\$8.70	37	10.24	-	-	65	8.22	-	-
Handtruck operators	2,370	6.32	-	-	94	7.29	-	-	6	6.49	-	-
Janitors, porters, or cleaners	3,569	6.38	25	6.81	55	7.12	-	-	52	6.86	-	-
Machinists	326	9.78	-	-	14	11.16	-	-	7	9.60	-	-
Mechanics	1,418	9.74	28	9.03	-	-	-	-	42	8.65	-	-
Powertruck operators	2,097	6.81	-	-	59	7.93	-	-	-	-	-	-
Forklift operators	1,988	6.82	-	-	54	7.86	-	-	11	7.27	-	-
Other than forklift	109	6.61	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Cotton and synthetic fiber textile plants: Occupational averages by method of wage payment—Continued

(Number and average straight-time hourly earnings¹ of workers in selected occupations, United States and selected regions,² August 1990)

Occupation ³	Southeast				Southwest			
	Timeworkers		Incentive workers		Timeworkers		Incentive workers	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Carding and drawing								
Card grinders	355	\$8.81	-	-	-	-	-	-
Card operators (finishers)	2,067	7.19	781	\$7.57	52	\$6.78	-	-
Card strippers	159	6.20	-	-	-	-	-	-
Comber operators	259	6.99	210	7.90	-	-	-	-
Drawing-frame operators	981	7.05	2,086	7.56	-	-	37	\$8.20
Opener operators	1,439	6.65	61	7.18	-	-	-	-
Picker operators	120	7.02	41	7.61	-	-	-	-
Pin-drafter operators	633	7.19	-	-	-	-	-	-
Roving operators	604	7.49	1,659	8.11	-	-	-	-
Texturing-machine operators	1,643	6.60	-	-	-	-	-	-
Spinning								
Doffers	2,178	7.50	3,141	7.99	-	-	-	-
Section fixers	3,535	8.82	83	7.50	54	8.46	-	-
Air-jet	470	8.78	-	-	-	-	-	-
Ring frame	2,066	8.74	-	-	-	-	-	-
Open-end	899	8.92	-	-	-	-	-	-
Other	100	9.61	-	-	-	-	-	-
Spinners	10,998	7.14	3,692	7.31	-	-	75	7.83
Ring frame	8,017	7.24	2,782	7.23	-	-	-	-
Open-end	2,382	6.77	689	7.39	-	-	50	7.87
Other	186	7.24	-	-	-	-	-	-
Yarn-dyeing-machine operators	306	7.26	-	-	-	-	-	-
Spooling, winding, and twisting								
Twister operators	4,698	7.11	1,154	7.18	-	-	-	-
Uptwisters (synthetic fiber)	570	6.73	-	-	-	-	-	-
Yarn winders	6,166	7.01	5,973	7.34	-	-	-	-
Slashing and warping								
Slasher operators	2,182	8.11	26	8.56	-	-	-	-
Warper operators	2,446	7.56	365	7.85	-	-	-	-
Slow speed	246	7.25	124	8.34	-	-	-	-
High speed	2,200	7.60	241	7.60	-	-	-	-

See footnotes at end of table.

Table 9. Cotton and synthetic fiber textile plants: Occupational averages by method of wage payment—Continued

(Number and average straight-time hourly earnings¹ of workers in selected occupations, United States and selected regions,² August 1990)

Occupation ³	Southeast				Southwest			
	Timeworkers		Incentive workers		Timeworkers		Incentive workers	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Weaving								
Battery operators	967	\$6.67	123	\$6.82	-	-	-	-
Cloth doffers	1,552	6.78	31	7.11	26	\$7.55	-	-
Drawing-in-machine operators	488	8.44	-	-	-	-	-	-
Loom fixers	5,305	9.83	639	9.48	69	10.19	-	-
Box shuttle looms	475	9.97	-	-	-	-	-	-
Jacquard shuttle looms	-	-	-	-	-	-	-	-
Plain and dobby shuttle looms	831	9.75	66	9.26	-	-	-	-
Shuttleless looms	3,380	9.87	-	-	-	-	-	-
Other (including combination)	550	9.68	-	-	-	-	-	-
Loom-winder operators	592	6.60	-	-	-	-	-	-
Tying-in-machine operators	1,243	8.50	-	-	-	-	-	-
Weavers, shuttle looms	706	8.76	2,091	8.38	-	-	-	-
Box looms, automatic	-	-	494	8.27	-	-	-	-
Dobby looms	508	8.61	-	-	-	-	-	-
Jacquard looms	-	-	-	-	-	-	-	-
Plain looms	-	-	1,133	8.23	-	-	-	-
Other (including combination)	-	-	229	8.48	-	-	-	-
Weavers, shuttleless looms	2,188	8.43	8,994	8.91	-	-	130	\$9.47
Air-jet looms	753	8.66	2,631	9.09	-	-	-	-
Water-jet looms	494	8.63	-	-	-	-	-	-
Rapier	398	8.03	1,490	8.67	-	-	-	-
Projectile (sulzer)	355	8.16	3,799	8.91	-	-	-	-
Other (including combination)	188	8.30	978	8.90	-	-	-	-
Cloth room								
Cloth inspectors, machine	3,316	6.83	236	6.81	-	-	-	-
Cloth menders	43	6.39	-	-	-	-	-	-

See footnotes at end of table.

Table 9. Cotton and synthetic fiber textile plants: Occupational averages by method of wage payment—Continued

(Number and average straight-time hourly earnings¹ of workers in selected occupations, United States and selected regions,² August 1990)

Occupation ³	Southeast				Southwest			
	Timeworkers		Incentive workers		Timeworkers		Incentive workers	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Maintenance and miscellaneous								
Carpenters	289	\$9.28	-	-	-	-	-	-
Electricians	1,196	10.22	-	-	-	-	-	-
Electronics technicians	148	10.77	-	-	-	-	-	-
Level I	43	9.46	-	-	-	-	-	-
Level II	72	11.03	-	-	-	-	-	-
Level III	33	11.91	-	-	-	-	-	-
General maintenance workers	621	7.76	-	-	-	-	-	-
Handtruck operators	2,270	6.28	-	-	-	-	-	-
Janitors, porters, or cleaners	3,431	6.36	18	\$6.91	17	\$6.30	-	-
Machinists	298	9.71	-	-	-	-	-	-
Mechanics	1,282	9.78	-	-	-	-	-	-
Powertruck operators	1,988	6.79	-	-	15	6.81	-	-
Forklift operators	1,902	6.79	-	-	15	6.81	-	-
Other than forklift	86	6.75	-	-	-	-	-	-

¹ Excludes premium pay for overtime and for work on weekends, holidays, and late shifts. Incentive payments, such as those resulting from piecework or production bonus systems, and cost-of-living pay increases (but not bonuses) were included as part of the workers' regular pay. Excluded are performance bonuses and lump-sum payments of the type negotiated in the auto and aerospace industries, as well as profit-sharing payments, attendance bonuses, Christmas or yearend bonuses, and other nonproduction bonuses.

² For definition of regions, see appendix A, table A-1, footnote 1.

³ Data for overall occupation may include data for sub-classifications not shown separately.

⁴ Includes data for regions in addition to those shown separately.

NOTE: Dashes indicate that no data were reported or data did not meet publication criteria.

Table 10. Cotton and synthetic fiber textile plants: Occupational earnings—Anderson, SC¹

(Percent distribution of workers in selected occupations by straight-time hourly earnings,² August 1990)

Occupation	Number of workers	Average (mean) hourly earnings	Percent of workers receiving straight-time hourly earnings (in dollars) of—																										
			Under 5.50	5.50 and under 5.75	5.75 - 6.00	6.00 - 6.25	6.25 - 6.50	6.50 - 6.75	6.75 - 7.00	7.00 - 7.25	7.25 - 7.50	7.50 - 7.75	7.75 - 8.00	8.00 - 8.25	8.25 - 8.50	8.50 - 8.75	8.75 - 9.00	9.00 - 9.25	9.25 - 9.50	9.50 - 9.75	9.75 - 10.00	10.00 - 10.25	10.25 - 10.50	10.50 - 10.75	10.75 - 11.00	11.00 - 11.50	11.50 - 12.00	12.00 and over	
			Carding and drawing																										
Card operators (finishers)	60	\$7.48	3	-	-	-	12	-	2	37	-	2	-	32	5	-	-	5	3	-	-	-	-	-	-	-	-	-	-
Time	51	7.28	4	-	-	-	14	-	43	-	2	-	35	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	
Drawing-frame operators	32	6.89	-	3	3	-	13	6	6	56	9	-	3	-	-	-	-	-	-	-	-	-	-	-	5	5	-	-	
Roving operators	44	8.00	2	-	5	5	2	2	7	7	2	5	7	20	7	5	5	5	7	-	-	-	-	5	5	-	-	-	
Incentive	41	7.95	2	-	5	5	2	2	7	7	2	5	7	20	7	5	5	-	7	-	-	-	-	5	5	-	-	-	
Spinning																													
Doffers	138	8.24	3	-	-	1	1	2	2	3	6	3	29	13	7	3	4	7	4	4	2	2	3	3	1	-	1	-	-
Incentive	94	8.35	4	-	-	1	1	3	4	7	4	11	6	11	4	6	9	5	6	3	3	3	4	1	-	1	-	-	
Section fixers ³	64	9.25	-	-	-	-	-	5	-	-	3	-	-	5	2	23	30	3	16	-	-	2	-	-	-	8	3	2	
Ring frame	38	9.46	-	-	-	-	-	8	-	-	5	-	-	-	3	8	24	3	26	-	-	3	-	-	-	13	5	3	
Open-end	22	8.95	-	-	-	-	-	-	-	-	-	-	-	14	-	36	45	5	-	-	-	-	-	-	-	-	-	-	
Spinners	243	7.54	-	1	1	7	2	(*)	10	13	34	2	4	1	6	6	5	2	2	2	-	-	-	(*)	-	-	-	-	
Time	144	7.12	-	-	-	8	-	-	15	20	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Ring frame	157	7.71	-	1	1	4	3	1	15	20	11	2	5	1	7	10	8	4	3	4	-	-	-	1	-	-	-	-	
Time	68	7.13	-	-	-	-	-	-	31	43	26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Open-end	33	7.16	-	-	-	36	-	-	-	-	36	3	6	3	12	-	-	-	3	-	-	-	-	-	-	-	-	-	
Spooling, winding, and twisting																													
Yarn winders	234	7.27	1	-	-	2	11	3	7	42	10	4	3	6	6	2	2	1	-	1	(*)	-	-	-	-	-	-	-	-
Time	151	7.13	-	-	-	15	1	1	61	10	1	1	6	3	-	-	-	-	1	-	-	-	-	-	-	-	-	-	
Incentive	83	7.53	4	-	-	5	2	6	17	8	10	8	7	7	10	6	5	2	-	1	1	-	-	-	-	-	-	-	
Slashing and warping																													
Slasher operators ³	130	8.10	2	-	-	-	-	1	4	11	2	4	51	17	2	-	2	2	3	-	-	-	-	-	-	-	-	-	
Warper operators	96	7.58	-	2	-	8	6	9	1	14	38	2	-	4	-	1	2	2	-	-	-	4	-	-	-	2	-	2	
Time	70	6.96	-	3	-	11	9	13	-	17	47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	3	
Slow speed	70	7.75	-	-	7	9	13	-	14	29	3	-	6	-	-	3	3	-	-	-	-	6	-	-	-	-	-	-	
High speed	26	7.15	-	8	-	12	-	-	4	12	62	-	-	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	
Weaving																													
Battery operators	70	6.96	10	-	-	-	1	6	40	14	1	7	16	1	-	-	-	1	-	-	-	1	-	-	-	-	-	-	
Time	48	6.66	15	-	-	-	2	6	56	6	-	-	13	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cloth doffers ³	51	6.74	-	-	-	14	24	2	37	14	6	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Drawing-in-machine operators ³	37	7.77	-	-	-	16	8	3	3	38	-	-	-	-	-	-	3	-	3	14	-	8	-	-	-	-	3	-	
Loom fixers	309	10.04	-	-	-	-	-	-	(*)	1	(*)	1	1	(*)	6	1	(*)	11	6	18	30	4	2	4	1	1	3	1	
Time	239	10.13	-	-	-	-	-	-	(*)	-	-	-	-	(*)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Incentive	70	9.72	-	-	-	-	-	-	-	4	1	3	4	-	4	6	1	4	17	16	4	14	4	4	10	3	3	-	
Plain and dobby shuttle looms	48	9.44	-	-	-	-	-	-	-	6	-	4	6	-	2	8	-	17	13	23	4	4	2	8	2	-	5	(*)	
Shuttleless looms	203	9.95	-	-	-	-	-	-	-	-	-	-	-	(*)	7	-	-	11	5	21	44	4	1	-	-	-	5	(*)	
Time	185	9.93	-	-	-	-	-	-	-	-	-	-	-	1	8	-	12	1	23	49	1	1	-	-	-	-	-	1	
Tying-in-machine operators ³	105	8.56	-	-	-	-	1	-	-	-	13	-	16	31	1	6	-	30	-	2	-	-	-	-	-	-	-	-	
Weavers, shuttleless looms	643	9.14	-	-	-	-	-	(*)	-	3	3	5	5	12	9	14	17	6	4	5	4	3	2	2	3	2	3	1	
Incentive	591	9.20	-	-	-	-	-	(*)	-	3	3	5	5	5	9	16	18	6	5	6	4	3	3	2	4	3	3	1	
Rapier	223	8.70	-	-	-	-	-	-	-	3	4	9	5	24	15	15	9	4	1	2	2	2	2	(*)	(*)	1	1	-	
Incentive	173	8.79	-	-	-	-	-	-	-	3	6	12	6	2	20	20	12	5	2	2	3	3	1	1	1	1	2	-	

See footnotes at end of table.

Table 11. Cotton and synthetic fiber textile plants: Occupational earnings—Georgia

(Percent distribution of workers in selected occupations by straight-time hourly earnings,¹ August 1990)

Occupation	Number of workers	Average (mean) hourly earnings	Percent of workers receiving straight-time hourly earnings (in dollars) of—																											
			Under 5.50	5.50 and under 5.75	5.75 - 6.00	6.00 - 6.25	6.25 - 6.50	6.50 - 6.75	6.75 - 7.00	7.00 - 7.25	7.25 - 7.50	7.50 - 7.75	7.75 - 8.00	8.00 - 8.25	8.25 - 8.50	8.50 - 8.75	8.75 - 9.00	9.00 - 9.25	9.25 - 9.50	9.50 - 9.75	9.75 - 10.00	10.00 - 10.50	10.50 - 11.00	11.00 - 11.50	11.50 - 12.00	12.00 - 12.50	12.50 - 13.00	13.00 - 13.50	13.50 and over	
Carding and drawing																														
Card grinders ²	34	\$9.27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Card operators (finishers)	504	7.26	-	-	-	2	7	18	10	12	16	3	7	24	(?)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Time	463	7.29	-	-	-	3	3	19	10	12	16	3	7	26	(?)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Incentive	41	6.93	-	-	-	-	41	10	12	10	15	2	7	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	
Card strippers ²	20	5.99	-	-	75	-	15	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Comber operators	19	8.73	-	-	-	-	5	-	16	26	-	-	5	-	-	5	5	5	-	-	-	-	-	-	-	-	-	-	-	
Drawing-frame operators	431	7.67	1	1	1	2	5	3	8	15	12	7	9	10	13	7	1	(?)	2	(?)	1	1	1	(?)	16	5	-	5	-	
Time	152	7.63	-	-	-	-	-	5	9	19	18	-	10	12	17	11	-	-	-	-	-	-	-	-	-	-	-	-	-	
Incentive	279	7.68	1	1	2	3	8	1	7	13	9	11	9	8	11	5	2	1	3	(?)	1	1	(?)	-	-	-	-	-	-	
Opener operators ²	202	6.97	(?)	(?)	4	11	11	-	23	17	12	12	2	5	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	
Pin-drafter operators	360	7.52	-	-	-	-	-	18	(?)	14	18	9	7	30	1	1	1	(?)	-	-	-	(?)	(?)	-	-	-	-	-	-	
Time	341	7.45	-	-	-	-	-	19	-	14	19	9	7	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Roving operators	139	7.75	1	-	2	1	1	15	11	14	9	6	4	14	4	2	2	-	1	1	2	1	4	1	1	1	1	-	-	
Incentive	127	7.81	1	-	2	1	2	17	7	13	9	6	4	16	5	2	2	-	1	2	2	2	4	2	2	1	-	-	-	
Spinning																														
Doffers	552	7.92	-	-	(?)	(?)	3	1	2	13	10	22	17	3	10	6	1	1	1	1	1	3	1	1	1	(?)	1	(?)	(?)	
Time	250	7.57	-	-	-	-	(?)	-	-	14	16	36	30	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Incentive	302	8.21	-	-	1	1	4	3	4	12	5	11	6	6	16	10	3	3	1	1	2	5	2	1	1	1	(?)	(?)	(?)	
Section fixers ²	559	9.23	-	-	-	-	-	-	-	1	-	-	-	6	6	11	11	23	5	10	11	7	-	-	-	-	-	-	-	
Ring frame	302	9.04	-	-	-	-	-	-	-	1	-	-	-	11	11	11	11	24	7	8	10	7	-	-	-	-	-	-	-	
Open-end	166	9.35	-	-	-	-	-	-	-	-	-	-	-	-	16	16	20	5	9	20	14	-	-	-	-	-	-	-	-	
Spinners	2,477	7.49	(?)	(?)	(?)	(?)	4	5	11	17	12	14	15	13	6	(?)	(?)	(?)	(?)	(?)	1	(?)	(?)	(?)	1	(?)	(?)	(?)	(?)	
Time	2,090	7.50	-	-	-	-	2	4	11	18	10	16	17	15	7	-	(?)	-	-	-	-	-	-	-	-	-	-	-	-	
Incentive	387	7.43	1	1	1	1	12	11	11	8	23	4	6	5	2	2	1	2	(?)	(?)	1	1	3	1	(?)	(?)	(?)	(?)	(?)	
Ring frame	2,016	7.57	-	(?)	(?)	(?)	2	4	8	17	10	17	18	14	8	(?)	(?)	(?)	(?)	(?)	(?)	1	(?)	(?)	(?)	(?)	(?)	(?)	(?)	
Time	1,683	7.61	-	-	-	-	-	2	7	18	7	20	21	16	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Incentive	333	7.40	-	1	(?)	1	13	13	12	8	26	4	5	5	2	2	1	2	(?)	1	1	4	1	(?)	(?)	(?)	(?)	(?)	(?)	
Open-end ²	324	6.89	-	-	-	-	15	14	33	20	17	-	-	-	-	(?)	-	-	-	-	-	-	-	-	-	-	-	-	-	
Yarn-dyeing-machine operators	101	7.93	4	1	1	2	1	2	2	4	4	4	17	36	1	4	9	3	-	3	1	1	1	-	-	-	-	-	-	
Spooling, winding, and twisting																														
Twister operators ²	2,336	7.46	-	-	-	2	2	1	13	19	7	17	18	21	(?)	(?)	-	(?)	-	-	-	-	-	-	-	-	-	-	-	-
Yarn winders	1,921	7.58	(?)	-	(?)	2	3	2	14	10	19	19	6	10	2	1	1	7	1	1	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	(?)	
Time	1,420	7.51	-	-	(?)	3	-	1	16	11	19	24	6	12	-	-	-	8	-	-	-	-	-	-	-	-	-	-	-	
Incentive	501	7.76	1	-	1	1	11	5	8	8	19	7	5	3	7	5	3	5	5	2	2	2	1	(?)	(?)	(?)	(?)	(?)	(?)	
Slashing and warping																														
Slasher operators ²	350	8.15	-	-	2	-	-	-	5	-	1	13	3	41	13	6	17	-	-	-	-	-	-	-	-	-	-	-	-	
Warper operators	960	8.16	-	-	2	-	3	2	15	6	8	2	6	1	1	18	1	35	1	(?)	(?)	(?)	-	-	-	-	-	-	-	
Time	883	8.17	-	-	2	-	3	2	16	7	6	2	6	-	-	19	-	38	-	-	-	-	-	-	-	-	-	-	-	
Incentive	77	8.15	-	-	1	-	-	-	1	4	27	6	8	9	10	6	1	8	3	1	1	1	-	-	1	-	-	-	-	
Slow speed	95	7.77	-	-	-	-	6	-	28	1	18	1	5	7	6	8	5	1	6	2	1	1	-	-	1	-	-	-	-	
Incentive	62	8.32	-	-	-	-	-	-	2	27	2	8	11	10	13	8	2	10	3	2	2	2	-	-	-	-	-	-	-	
High speed ²	865	8.21	-	-	2	-	2	-	13	7	7	2	6	-	(?)	19	-	-	-	-	-	-	-	-	-	-	-	-	-	

See footnotes at end of table.

Table 11. Cotton and synthetic fiber textile plants: Occupational earnings—Georgia—Continued

(Percent distribution of workers in selected occupations by straight-time hourly earnings,¹ August 1990)

Occupation	Number of workers	Average (mean) hourly earnings	Percent of workers receiving straight-time hourly earnings (in dollars) of—																																
			Under 5.50	5.50 and under 5.75	5.75 - 6.00	6.00 - 6.25	6.25 - 6.50	6.50 - 6.75	6.75 - 7.00	7.00 - 7.25	7.25 - 7.50	7.50 - 7.75	7.75 - 8.00	8.00 - 8.25	8.25 - 8.50	8.50 - 8.75	8.75 - 9.00	9.00 - 9.25	9.25 - 9.50	9.50 - 9.75	9.75 - 10.00	10.00 - 10.50	10.50 - 11.00	11.00 - 11.50	11.50 - 12.00	12.00 - 12.50	12.50 - 13.00	13.00 - 13.50	13.50 and over						
Weaving																																			
Battery operators	141	\$6.13	5	48	3	18	5	11	1	-	2	2	1	-	1	4	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Time	110	5.93	-	60	-	22	5	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cloth doffers	241	6.54	7	-	17	(²)	20	6	33	-	13	(²)	-	(²)	-	-	-	-	-	(²)	(²)	(²)	-	-	-	-	-	-	-	-	-	-	-	-	
Time	221	6.53	8	-	13	-	22	6	36	-	14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Drawing-in-machine operators ²	46	7.84	-	-	-	-	-	-	15	9	-	7	37	11	7	4	11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Loom fixers	923	9.73	-	-	-	-	-	-	-	-	(²)	-	3	-	(²)	1	1	8	17	3	26	41	(²)	-	-	-	-	-	-	-	-	-	-	-	
Time	846	9.77	-	-	-	-	-	-	-	-	-	-	3	-	3	-	6	18	2	28	44	(²)	-	-	-	-	-	-	-	-	-	-	-	-	
Shuttleless looms	799	9.74	-	-	-	-	-	-	-	-	-	-	3	-	(²)	-	2	5	19	3	24	43	(²)	-	-	-	-	-	-	-	-	-	-	-	
Time	738	9.78	-	-	-	-	-	-	-	-	-	-	3	-	-	-	2	20	3	26	46	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tying-in-machine operators	228	8.16	-	-	-	-	-	-	8	-	-	5	18	34	-	15	18	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Time	216	8.17	-	-	-	-	-	9	-	-	4	19	32	-	16	19	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Weavers, shuttle looms ⁴	184	8.06	-	-	1	-	-	1	3	18	12	11	5	11	5	1	11	10	5	3	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Weavers, shuttleless looms	2,052	8.87	(²)	(²)	(²)	-	-	4	(²)	7	4	4	5	4	5	7	19	5	5	12	5	9	3	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Time	327	8.23	-	-	-	-	-	25	-	1	-	8	-	-	-	66	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Incentive	1,725	8.99	(²)	(²)	(²)	-	-	(²)	(²)	8	4	4	5	6	8	10	6	6	14	6	11	3	1	(²)	-	1	(²)	-	1	(²)	1	(²)	1	(²)	1
Air-jet looms ⁴	317	9.34	-	-	(²)	-	-	(²)	-	18	-	1	2	3	3	3	23	1	3	6	5	13	5	2	1	3	2	1	3	2	5	1	(²)	1	
Rapier	473	8.13	(²)	(²)	-	-	17	1	5	14	6	8	2	1	6	23	3	4	4	3	3	(²)	-	-	-	-	-	-	-	-	-	-	-	-	-
Incentive	262	8.26	(²)	(²)	-	-	(²)	2	8	26	11	5	3	1	11	3	5	6	8	5	5	(²)	-	-	-	-	-	-	-	-	-	-	-	-	-
Projectile (Sulzer) ⁴	900	9.07	-	-	-	-	-	(²)	7	1	5	6	5	7	7	6	5	8	20	6	14	3	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)	(²)
Other (including combination)	362	8.91	-	-	-	-	-	-	2	1	1	2	5	7	10	42	10	4	7	3	4	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Incentive	246	8.99	-	-	-	-	-	-	1	1	1	3	7	10	15	17	15	6	10	5	6	4	-	-	-	-	-	-	-	-	-	-	-	-	-
Cloth room																																			
Cloth inspectors, machine	527	6.81	-	5	7	1	24	2	20	27	7	2	-	1	1	1	1	(²)	2	(²)	(²)	(²)	-	-	-	(²)	-	-	-	-	-	-	-	-	-
Time	466	6.71	-	5	8	-	24	1	21	30	7	3	-	1	-	(²)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Incentive	61	7.61	-	2	-	5	26	10	8	7	2	-	-	3	8	2	5	2	13	2	3	2	-	-	-	2	-	-	-	-	-	-	-	-	-
Maintenance and miscellaneous																																			
Carpenters	48	9.33	-	-	-	-	-	-	-	-	-	-	-	4	2	6	10	15	10	33	4	15	-	-	-	-	-	-	-	-	-	-	-	-	-
Time	45	9.37	-	-	-	-	-	-	-	-	-	-	-	4	2	7	4	16	11	36	4	16	-	-	-	-	-	-	-	-	-	-	-	-	-
Electricians ²	284	10.39	-	-	-	-	-	-	-	-	-	1	-	5	-	6	1	5	1	11	9	21	2	5	34	-	-	-	-	-	-	-	-	-	-
Time	62	11.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	13	13	10	52	6	3	-	-	-	-	-	-	-	-
Electronics technicians	62	11.33	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	4	15	6	60	8	4	-	-	-	-	-	-	-	
Time	53	11.48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
General maintenance workers ²	86	8.74	-	-	-	5	-	6	-	-	-	-	10	5	-	14	9	16	22	5	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Handtruck operators ²	575	6.65	1	19	8	3	12	9	13	4	12	17	(²)	-	1	-	(²)	-	(²)	-	(²)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Janitors, porters, or cleaners ²	987	6.85	⁵ 11	3	6	11	17	4	2	2	4	37	(²)	(²)	-	-	-	-	-	-	-	5	(²)	-	-	-	-	-	-	-	-	-	-	-	-
Machinists	68	10.02	-	-	-	-	-	-	-	-	-	-	-	3	-	6	1	9	4	9	3	34	24	1	6	-	-	-	-	-	-	-	-	-	-
Time	62	10.02	-	-	-	-	-	-	-	-	-	-	-	3	-	6	2	10	5	10	3	27	26	2	6	-	-	-	-	-	-	-	-	-	
Mechanics	238	9.94	-	-	-	-	-	-	(²)	-	-	(²)	4	1	1	11	7	18	8	1	1	29	1	5	1	-	9	-	-	-	-	-	-	3	
Time	221	9.95	-	-	-	-	-	-	(²)	-	-	(²)	4	1	1	11	7	18	8	1	1	25	1	5	1	-	10	-	-	-	-	-	-	4	
Powertruck operators ²	752	6.97	-	-	7	1	4	7	57	5	8	3	1	5	1	-	(²)	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Forklift operators	692	7.01	-	-	4	1	4	6	59	6	7	3	2	5	1	-	(²)	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Other than forklift	60	6.61	-	-	35	-	-	18	28	-	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

¹ Excludes premium pay for overtime and for work on weekends, holidays, and late shifts. Incentive payments, such as those resulting from piecework or production bonus systems, and cost-of-living pay increases (but not bonuses) were included as part of the workers' regular pay. Excluded are performance bonuses and lump-sum payments of the type negotiated in the auto and aerospace industries, as well as profit-sharing payments, attendance bonuses, Christmas or yearend bonuses, and other nonproduction bonuses.

² Virtually all time workers.

³ Less than 0.5 percent.

⁴ Virtually all incentive workers.

⁵ Workers were distributed as follows: 1 percent at \$4.25 and under \$4.50; 5 percent at \$4.50 and under \$4.75; 4 percent at \$5 and under \$5.25; and 1 percent at \$5.25 and under \$5.50.

NOTE: Because of rounding, sums of individual items may not equal 100. Dashes indicate that no data were reported.

Table 12. Cotton and synthetic fiber textile plants: Occupational earnings—Greensboro-Winston Salem-High Point, NC¹

(Percent distribution of workers in selected occupations by straight-time hourly earnings,² August 1990)

Occupation	Number of workers	Average (mean) hourly earnings	Percent of workers receiving straight-time hourly earnings (in dollars) of—																										
			5.25 and under 5.50	5.50-5.75	5.75-6.00	6.00-6.25	6.25-6.50	6.50-6.75	6.75-7.00	7.00-7.25	7.25-7.50	7.50-7.75	7.75-8.00	8.00-8.25	8.25-8.50	8.50-8.75	8.75-9.00	9.00-9.25	9.25-9.50	9.50-9.75	9.75-10.00	10.00-10.25	10.25-10.50	10.50-10.75	10.75-11.00	11.00-11.50	11.50-12.00	12.00 and over	
Carding and drawing																													
Card operators (finishers)	103	\$7.56	-	-	-	-	1	-	-	7	17	74	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Time	75	7.58	-	-	-	-	-	-	-	3	17	80	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Comber operators	41	7.80	-	-	-	-	5	-	-	32	-	-	10	12	32	10	-	-	-	-	-	-	-	-	-	-	-	-	
Opener operators ³	40	6.65	-	-	-	-	43	43	-	-	3	10	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Roving operators ⁴	109	8.82	-	-	2	-	-	1	-	3	5	1	2	17	11	15	5	4	5	8	8	7	6	2	-	-	-	-	
Spinning																													
Doffers	218	8.30	-	-	-	3	4	-	1	(⁵)	2	13	35	4	1	(⁵)	(⁵)	2	27	5	(⁵)	-	(⁵)	-	-	-	-	(⁵)	
Incentive	207	8.39	-	-	-	3	-	-	1	(⁵)	1	14	37	4	1	(⁵)	(⁵)	2	29	5	(⁵)	-	(⁵)	-	-	-	-	(⁵)	
Section fixers ³	138	8.93	-	-	-	-	-	-	-	-	-	2	-	18	3	5	28	13	3	28	-	-	-	-	-	-	-	-	
Ring frame	62	8.73	-	-	-	-	-	-	-	-	-	5	-	24	-	3	39	29	-	-	-	-	-	-	-	-	-	-	
Open-end	72	9.06	-	-	-	-	-	-	-	-	-	-	-	14	6	7	19	-	-	54	-	-	-	-	-	-	-	-	
Spinners	363	7.26	-	-	1	-	-	1	12	37	15	34	(⁵)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Incentive	103	7.43	-	-	-	-	-	2	-	10	46	42	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Open-end	80	7.58	-	-	-	-	-	-	-	-	15	85	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Spooling, winding, and twisting																													
Yarn winders	210	7.50	1	5	(⁵)	2	5	7	2	8	3	27	3	15	20	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Time	62	6.94	3	18	2	2	11	3	-	2	-	60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Incentive	148	7.74	-	-	-	3	3	9	3	10	5	13	4	21	29	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Slashing and warping																													
Slasher operators ³	55	8.55	-	-	-	-	-	-	-	-	-	11	-	-	36	-	53	-	-	-	-	-	-	-	-	-	-	-	-
Warper operators ³	83	7.73	4	2	-	1	5	2	1	1	37	1	1	-	-	43	-	-	-	-	-	-	-	-	-	-	-	-	-
High speed	71	7.97	-	-	-	-	6	-	-	-	44	-	-	-	-	51	-	-	-	-	-	-	-	-	-	-	-	-	-
Weaving																													
Cloth doffers ³	32	6.70	-	-	-	-	19	44	38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loom fixers	130	9.41	-	-	-	-	-	-	2	1	2	2	5	3	1	-	21	1	-	-	-	62	-	-	-	-	-	-	-
Time	120	9.54	-	-	-	-	-	-	3	1	2	1	1	2	1	-	23	1	-	-	-	68	-	-	-	-	-	-	-
Shuttleless looms ³	96	9.87	-	-	-	-	-	-	-	-	-	-	-	-	-	-	16	-	-	-	-	84	-	-	-	-	-	-	-
Tying-in-machine operators ³	51	8.15	4	-	-	6	-	-	2	-	-	4	-	24	-	61	-	-	-	-	-	-	-	-	-	-	-	-	-
Weavers, shuttleless looms	464	9.07	1	(⁵)	(⁵)	1	(⁵)	1	-	-	1	(⁵)	18	2	-	1	6	4	15	22	18	6	2	(⁵)	-	-	-	-	-
Other (including combination)	241	9.30	2	(⁵)	(⁵)	2	1	2	-	-	2	(⁵)	(⁵)	-	-	1	2	2	18	28	25	8	3	(⁵)	-	-	-	-	-
Maintenance and miscellaneous																													
Carpenters ³	13	9.31	-	-	-	-	-	-	-	-	-	-	-	-	-	31	15	-	-	46	-	-	-	-	-	-	-	-	8
Electricians ³	28	10.13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39	-	-	7	4	14	-	-	-	-	-	7	29
General maintenance workers ³	10	8.21	-	-	-	10	-	-	-	-	-	-	10	30	20	-	-	30	-	-	-	-	-	-	-	-	-	-	-
Handtruck operators ³	48	6.21	8	15	8	31	2	27	-	-	-	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Powertruck operators ³	86	6.86	2	-	3	-	12	21	41	-	-	3	15	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Forklift operators	78	6.85	3	-	4	-	5	23	45	-	-	4	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

¹ The Greensboro-Winston Salem-High Point metropolitan area consists of Davidson, Davie, Forsyth, Guilford, Randolph, Stokes, and Yadkin Counties.

² Excludes premium pay for overtime and for work on weekends, holidays, and late shifts. Incentive payments, such as those resulting from piecework or production bonus systems, and cost-of-living pay increases (but not bonuses) were included as part of the workers' regular pay. Excluded are performance bonuses and lump-sum payments of the type negotiated in the auto and aerospace industries, as well as profit-sharing payments, attendance bonuses, Christmas or yearend bonuses, and other nonproduction bonuses.

³ Virtually all time workers.

⁴ Virtually all incentive workers.

⁵ Less than 0.5 percent.

NOTE: Because of rounding, sums of individual items may not equal 100. Dashes indicate that no data were reported.

Table 13. Cotton and synthetic fiber textile plants: Occupational earnings—Greenville-Spartanburg, SC¹

(Percent distribution of workers in selected occupations by straight-time hourly earnings,² August 1990)

Occupation	Number of workers	Average (mean) hourly earnings	Percent of workers receiving straight-time hourly earnings (in dollars) of—																									
			5.00 and under 5.25	5.25-5.50	5.50-5.75	5.75-6.00	6.00-6.25	6.25-6.50	6.50-6.75	6.75-7.00	7.00-7.25	7.25-7.50	7.50-7.75	7.75-8.00	8.00-8.25	8.25-8.50	8.50-8.75	8.75-9.00	9.00-9.25	9.25-9.50	9.50-9.75	9.75-10.00	10.00-10.25	10.25-10.50	10.50-10.75	10.75-11.00	11.00-11.25	11.25 and over
Carding and drawing																												
Card grinders ³	71	\$9.66	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	8	90	-	-	-	-	-	-	-	-
Card operators (finishers)	164	7.15	-	-	-	4	5	-	-	36	37	5	2	2	1	-	1	-	5	-	1	-	-	-	-	-	-	
Time	139	7.11	-	-	-	-	5	-	-	42	41	6	-	-	-	-	-	-	6	-	-	-	-	-	-	-	-	
Incentive	25	7.33	-	-	-	28	8	-	-	-	12	-	12	16	8	-	4	-	-	-	4	-	-	-	-	-	-	
Drawing-frame operators	275	7.34	(⁴)	-	-	-	1	2	4	35	7	23	9	8	3	3	1	1	(⁴)	-	1	-	-	-	-	-	-	
Time	142	7.13	-	-	-	-	-	-	-	58	4	32	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Incentive	133	7.58	1	-	-	-	2	5	8	11	11	13	12	17	6	5	2	2	1	-	3	-	-	-	-	-	-	
Opener operators	83	6.70	-	-	-	-	1	33	29	25	8	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Time	70	6.64	-	-	-	-	-	39	34	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Roving operators	221	8.42	-	-	1	-	-	(⁴)	3	(⁴)	-	1	3	14	11	8	36	10	2	4	3	2	1	(⁴)	-	-	-	
Incentive	205	8.47	-	-	1	-	-	(⁴)	3	(⁴)	-	1	3	8	12	9	39	10	2	4	3	2	-	1	(⁴)	-	-	
Spinning																												
Doffers	551	8.29	-	-	-	-	-	1	-	1	3	7	23	10	39	3	4	3	1	(⁴)	1	1	1	1	(⁴)	-	1	
Time	188	7.92	-	-	-	-	-	-	-	-	-	18	55	13	14	-	-	-	-	-	-	-	-	-	-	-	-	
Incentive	363	8.47	-	-	-	-	-	2	-	2	4	1	6	8	53	5	7	4	2	1	1	1	1	2	(⁴)	-	-	
Section fixers ³	316	9.49	-	-	-	-	-	-	-	-	-	-	3	-	2	-	4	-	9	50	60	1	-	(⁴)	-	-	1	
Ring frame	164	9.43	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	50	38	-	-	-	-	-	-	-	
Open-end	72	9.50	-	-	-	-	-	-	-	-	-	-	11	-	-	-	-	-	10	74	4	-	1	-	-	-	-	
Spinners	898	7.25	-	-	(⁴)	-	-	(⁴)	4	3	39	45	3	2	3	1	-	(⁴)	(⁴)	-	-	-	-	-	-	-	-	
Time	753	7.20	-	-	-	-	-	5	3	45	45	-	3	-	3	-	-	-	-	-	-	-	-	-	-	-	-	
Incentive	145	7.50	-	-	1	-	-	2	1	6	8	47	17	10	2	6	-	1	-	-	-	-	-	-	-	-	-	
Ring frame	668	7.25	-	-	(⁴)	-	-	(⁴)	(⁴)	1	49	41	4	2	(⁴)	1	-	(⁴)	-	-	-	-	-	-	-	-	-	
Time	523	7.18	-	-	-	-	-	-	-	61	39	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Incentive	145	7.50	-	-	1	-	-	2	1	6	8	47	17	10	2	6	-	1	-	-	-	-	-	-	-	-	-	
Open-end ³	165	7.12	-	-	-	-	-	-	21	12	12	55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Spooling, winding, and twisting																												
Yarn winders	574	7.20	(⁴)	1	-	(⁴)	5	1	13	29	20	4	3	6	3	1	11	1	1	(⁴)	(⁴)	(⁴)	-	-	-	-	-	
Time	344	7.05	-	-	-	-	6	-	18	40	21	-	-	-	-	-	15	-	-	-	-	-	-	-	-	-	-	
Incentive	230	7.42	1	1	-	(⁴)	2	3	6	14	19	10	8	15	7	3	4	2	1	1	(⁴)	(⁴)	-	-	-	-	-	
Slashing and warping																												
Slasher operators	188	8.25	-	-	-	-	-	-	-	8	1	14	6	19	28	3	11	5	3	2	1	-	-	-	-	-	-	
Time	168	8.17	-	-	-	-	-	-	-	9	-	15	5	21	31	4	10	5	-	1	-	-	-	-	-	-	-	
Warper operators	240	7.25	-	-	-	-	2	-	9	59	15	3	8	2	1	-	-	-	-	1	-	-	-	1	-	-	-	
Time	200	7.16	-	-	-	-	-	-	10	68	14	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Slow speed	57	7.66	-	-	-	-	7	-	4	19	12	9	35	4	4	-	-	-	-	4	-	-	-	-	-	-	-	
High speed ³	183	7.12	-	-	-	-	-	-	11	72	15	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	

See footnotes at end of table.

Table 13. Cotton and synthetic fiber textile plants: Occupational earnings—Greenville-Spartanburg, SC¹—Continued

(Percent distribution of workers in selected occupations by straight-time hourly earnings,² August 1990)

Occupation	Number of workers	Average (mean) hourly earnings	Percent of workers receiving straight-time hourly earnings (in dollars) of—																									
			5.00 and under 5.25	5.25-5.50	5.50-5.75	5.75-6.00	6.00-6.25	6.25-6.50	6.50-6.75	6.75-7.00	7.00-7.25	7.25-7.50	7.50-7.75	7.75-8.00	8.00-8.25	8.25-8.50	8.50-8.75	8.75-9.00	9.00-9.25	9.25-9.50	9.50-9.75	9.75-10.00	10.00-10.25	10.25-10.50	10.50-10.75	10.75-11.00	11.00-11.25	11.25 and over
Weaving																												
Battery operators	219	\$6.64	-	-	-	(⁴)	-	32	55	2	10	(⁴)	-	-	-	(⁴)	-	-	-	-	-	-	-	-	-	-	-	-
Time	181	6.56	-	-	-	-	-	36	64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Cloth doffers ³	131	6.59	-	-	-	-	-	57	21	18	-	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Drawing-in-machine operators ³	18	8.21	-	-	-	-	-	-	-	11	-	22	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	
Loom fixers	790	9.59	-	-	-	-	-	-	-	-	-	-	-	-	(⁴)	6	14	(⁴)	6	15	37	27	6	(⁴)	(⁴)	(⁴)	1	
Time	675	9.75	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	17	43	31	7	(⁴)	(⁴)	(⁴)	-	1	
Plain and dobby shuttle looms ³ ..	211	9.64	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	14	35	40	9	-	-	-	-	1	
Shuttleless looms ³	384	9.79	-	-	-	-	-	-	-	-	-	-	-	-	1	62	1	1	17	17	13	12	12	13	6	1	1	
Other (including combination)	174	9.08	-	-	-	-	-	-	-	-	-	-	-	-	1	12	27	2	30	11	14	18	4	-	-	-	-	
Tying-in-machine operators ³	113	8.85	-	-	-	-	-	-	-	-	-	-	5	3	-	-	-	-	-	20	-	-	-	-	-	-	-	
Weavers, shuttle looms ⁵	518	8.90	-	-	-	-	-	-	-	-	1	3	2	5	17	17	13	12	12	13	6	1	1	(⁴)	(⁴)	(⁴)	-	
Plain looms	314	9.00	-	-	-	-	-	-	-	-	-	-	-	(⁴)	19	19	14	11	14	18	4	-	-	-	-	-	-	
Weavers, shuttleless looms	1,104	8.92	-	-	(⁴)	1	(⁴)	-	1	(⁴)	2	(⁴)	1	1	3	4	20	29	10	11	7	4	2	2	1	(⁴)	(⁴)	
Time	108	8.13	-	-	-	11	-	4	-	17	-	-	1	1	3	5	56	-	1	-	-	-	-	-	-	-	-	
Incentive	996	9.00	-	-	(⁴)	(⁴)	(⁴)	-	(⁴)	(⁴)	(⁴)	1	1	1	3	5	21	26	11	12	8	5	2	2	1	(⁴)	(⁴)	
Projectile (Sulzer)	225	8.69	-	-	-	6	-	2	-	1	-	1	-	3	4	30	12	21	15	4	1	1	1	-	-	-	-	
Incentive	205	8.91	-	-	-	1	-	-	-	1	-	1	-	1	4	33	13	23	17	4	1	1	1	-	-	-	-	
Other (including combination) ⁵	278	9.21	-	-	-	(⁴)	(⁴)	-	1	1	-	1	1	4	4	5	4	7	6	21	20	13	5	2	1	-	(⁴)	
Cloth room																												
Cloth inspectors, machine	353	6.80	-	-	-	-	1	22	47	2	21	1	1	1	2	1	3	-	1	-	(⁴)	-	-	-	-	-	-	
Time	314	6.71	-	-	-	-	-	23	51	1	22	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-	-	
Maintenance and miscellaneous																												
Carpenters ³	8	9.18	-	-	-	-	-	-	-	-	-	-	-	-	13	-	38	13	-	25	13	-	-	-	-	-	-	
Electricians ³	45	9.90	-	-	-	-	-	-	-	-	-	-	-	-	2	9	-	-	-	24	27	13	18	-	-	-	-	
General maintenance workers ³	29	8.08	-	-	-	-	34	-	-	-	-	-	-	-	-	28	-	28	-	3	-	-	-	-	-	-	-	
Handtruck operators ³	42	6.40	-	-	-	-	57	-	38	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	-	-	
Janitors, porters, or cleaners ³	41	6.26	-	-	-	10	46	24	15	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Machinists ³	63	9.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	68	8	19	-	-	-	-	-	
Mechanics ³	47	9.47	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9	13	43	26	11	-	-	-	-	-	-	
Powertruck operators ³	96	6.79	-	-	-	-	3	39	40	-	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Forklift operators	94	6.80	-	-	-	-	1	39	40	-	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

¹ The Greenville-Spartanburg metropolitan area consists of Greenville, Pickens, and Spartanburg Counties.

² Excludes premium pay for overtime and for work on weekends, holidays, and late shifts. Incentive payments, such as those resulting from piecework or production bonus systems, and cost-of-living pay increases (but not bonuses) were included as part of the workers' regular pay. Excluded are performance bonuses and lump-sum payments of the type negotiated in the auto and aerospace industries, as well as profit-sharing payments, attendance bonuses, Christmas or yearend bonuses, and other nonproduction bonuses.

³ Virtually all time workers.

⁴ Less than 0.5 percent.

⁵ Virtually all incentive workers.

NOTE: Because of rounding, sums of individual items may not equal 100. Dashes indicate that no data were reported.

Table 14. Cotton and synthetic fiber textile plants: Occupational earnings—Hickory, NC¹

(Percent distribution of workers in selected occupations by straight-time hourly earnings,² August 1990)

Occupation	Number of workers	Average (mean) hourly earnings	Percent of workers receiving straight-time hourly earnings (in dollars) of—																										
			Under 5.25	5.25 and under 5.50	5.50-5.75	5.75-6.00	6.00-6.25	6.25-6.50	6.50-6.75	6.75-7.00	7.00-7.25	7.25-7.50	7.50-7.75	7.75-8.00	8.00-8.25	8.25-8.50	8.50-8.75	8.75-9.00	9.00-9.25	9.25-9.50	9.50-9.75	9.75-10.00	10.00-10.25	10.25-10.50	10.50-10.75	10.75-11.00	11.00-11.50	11.50-12.00	12.00 and over
Spinning																													
Doffers	47	\$7.00	-	-	-	19	-	2	9	30	6	11	6	6	2	4	4	-	-	-	-	-	-	-	-	-	-	-	-
Spinners	185	6.82	-	-	1	34	-	4	15	1	4	15	6	9	7	1	1	1	1	-	-	-	-	-	-	-	-	-	
Incentive	109	7.41	-	-	1	-	-	-	25	2	6	25	11	11	12	2	2	1	1	1	-	-	-	-	-	1	-	-	
Spooling, winding, and twisting																													
Twister operators	45	7.08	-	-	-	40	-	-	-	7	27	4	-	-	-	2	2	9	2	-	-	2	2	-	-	-	-	-	
Uptwisters (synthetic fiber) ³	86	6.31	1	1	1	22	48	-	14	-	2	-	-	-	10	-	-	-	-	-	-	-	2	2	-	-	-		
Yarn winders	186	6.40	1	1	4	41	2	19	4	12	3	4	2	4	2	1	-	-	-	-	-	-	-	-	1	-	-		
Time	102	6.19	-	1	1	75	-	-	1	12	2	3	1	3	1	1	-	-	-	-	-	-	-	-	-	-	-		
Incentive	84	6.66	1	1	7	1	4	43	7	12	5	5	4	6	2	1	-	-	-	-	-	-	-	-	-	-	-		
Slashing and warping																													
Warper operators	51	7.36	-	-	-	-	-	-	12	-	-	75	-	14	-	-	-	-	-	-	-	-	-	-	-	-	-		
Time	48	7.33	-	-	-	-	-	-	13	-	-	79	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-		
Weaving																													
Cloth doffers	31	7.30	-	-	-	10	19	-	-	13	3	-	-	3	48	-	-	3	-	-	-	-	-	-	-	-	-		
Time	22	6.94	-	-	-	14	27	-	-	18	5	-	-	36	-	-	-	-	-	-	-	-	-	-	-	-	-		
Drawing-in-machine operators ³	41	8.08	-	-	-	2	7	-	-	2	-	7	7	-	-	54	15	-	-	-	-	-	-	-	-	-	-		
Loom fixers	139	10.38	-	-	-	-	-	-	-	-	-	-	-	3	9	-	-	-	-	1	1	5	-	-	16	11	3		
Time	82	10.05	-	-	-	-	-	-	-	-	-	-	-	5	-	-	-	-	-	1	1	55	-	22	11	-	-		
Shuttleless looms	109	10.65	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	-	1	1	41	-	4	14	4	6		
Weavers, shuttleless looms	217	9.27	-	-	-	-	-	-	-	4	-	12	-	2	8	9	12	3	2	1	6	5	6	6	5	5	6		
Incentive	206	9.37	-	-	-	-	-	-	-	-	-	13	-	2	9	10	13	3	2	1	6	5	6	5	5	4	7		
Cloth room																													
Cloth inspectors, machine ³	75	6.42	1	-	-	20	5	35	4	23	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Maintenance and miscellaneous																													
Electricians ³	7	10.24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14	-	-	29	-	29	-	-	-	29		
General maintenance workers ³	8	7.87	-	-	-	-	-	13	-	13	13	13	-	25	-	-	-	-	-	-	25	-	29	-	-	-	29		
Janitors, porters, or cleaners ³	31	5.81	3	35	10	3	32	3	13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Mechanics ³	15	8.42	-	-	-	7	-	-	-	-	27	13	-	-	-	7	7	-	-	-	-	-	-	33	7	-	-		
Powertruck operators ³	31	5.99	-	6	10	48	13	19	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-	-		

¹ The Hickory metropolitan area consists of Alexander, Burke, and Catawba Counties.

² Excludes premium pay for overtime and for work on weekends, holidays, and late shifts. Incentive payments, such as those resulting from piecework or production bonus systems, and cost-of-living pay increases (but not bonuses) were included as part of the workers' regular pay. Excluded are performance bonuses and lump-sum payments of the type negotiated in the auto and aerospace industries, as well as profit-sharing payments, attendance bonuses, Christmas or yearend bonuses, and other nonproduction bonuses.

³ Virtually all time workers.

⁴ Workers were distributed as follows: 8 percent at \$12 and under \$12.50; 1 percent at \$12.50 and under \$13; 1 percent at \$13 and under \$13.50; 1 percent at \$13.50 and under \$14; and 1 percent at \$14 and under \$14.50.

NOTE: Because of rounding, sums of individual items may not equal 100. Dashes indicate that no data were reported.

Table 15. Cotton and synthetic fiber textile plants: Occupational earnings—Maine and New Hampshire

(Percent distribution of workers in selected occupations by straight-time hourly earnings,¹ August 1990)

Occupation	Number of workers	Average (mean) hourly earnings	Percent of workers receiving straight-time hourly earnings (in dollars) of—																									
			5.50	5.75	6.00	6.25	6.50	6.75	7.00	7.25	7.50	7.75	8.00	8.25	8.50	8.75	9.00	9.25	9.50	9.75	10.00	10.25	10.50	10.75	11.00	11.25	11.50	11.75
			5.75	6.00	6.25	6.50	6.75	7.00	7.25	7.50	7.75	8.00	8.25	8.50	8.75	9.00	9.25	9.50	9.75	10.00	10.25	10.50	10.75	11.00	11.25	11.50	11.75	12.00
Carding and drawing																												
Section fixers	23	\$7.90	-	4	-	-	-	9	9	9	4	9	4	43	4	4	-	-	-	-	-	-	-	-	-	-	-	-
Ring frame	16	7.76	-	6	-	-	-	13	6	13	6	13	6	25	6	6	-	-	-	-	-	-	-	-	-	-	-	-
Spinners	121	7.35	-	1	-	21	5	5	1	10	21	25	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Spooling, winding, and twisting																												
Yarn winders	31	7.12	-	-	-	39	-	-	6	3	42	3	-	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Slashing and warping																												
Warper operators	22	7.56	-	-	-	-	9	5	-	5	55	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Weaving																												
Battery operators	20	7.59	-	15	-	-	-	-	-	-	10	75	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cloth doffers	22	7.45	-	-	9	-	-	-	-	14	73	-	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loom fixers	41	9.81	-	-	-	-	-	-	-	-	-	-	-	-	7	-	17	20	2	2	37	-	5	-	-	-	-	-
Shuttleless looms	32	9.56	-	-	-	-	-	-	-	-	-	-	-	-	9	-	22	25	3	3	34	-	-	-	-	-	-	-
Tying-in-machine operators	13	8.13	-	-	-	-	-	-	15	8	-	-	31	15	23	-	8	-	-	-	-	-	-	-	-	-	-	-
Cloth room																												
Cloth inspectors, machine	21	7.54	-	5	-	5	10	10	-	-	29	10	19	5	10	-	-	-	-	-	-	-	-	-	-	-	-	-

¹ Excludes premium pay for overtime and for work on weekends, holidays, and late shifts. Incentive payments, such as those resulting from piecework or production bonus systems, and cost-of-living pay increases (but not bonuses) were included as part of the workers' regular pay. Excluded are performance bonuses and lump-sum payments of the type negotiated in the auto and aerospace industries, as well as profit-sharing payments, attendance

bonuses, Christmas or yearend bonuses, and other nonproduction bonuses.

NOTE: Because of rounding, sums of individual items may not equal 100. Dashes indicate that no data were reported.

Table 16. Cotton and synthetic fiber textile plants: Occupational earnings—North Carolina

(Percent distribution of workers in selected occupations by straight-time hourly earnings,¹ August 1990)

Occupation	Number of workers	Average (mean) hourly earnings	Percent of workers receiving straight-time hourly earnings (in dollars) of—																										
			Under 4.75	4.75 and under 5.00	5.00 - 5.25	5.25 - 5.50	5.50 - 5.75	5.75 - 6.00	6.00 - 6.25	6.25 - 6.50	6.50 - 6.75	6.75 - 7.00	7.00 - 7.25	7.25 - 7.50	7.50 - 7.75	7.75 - 8.00	8.00 - 8.25	8.25 - 8.50	8.50 - 8.75	8.75 - 9.00	9.00 - 9.25	9.25 - 9.50	9.50 - 9.75	9.75 - 10.00	10.00 - 10.50	10.50 - 11.00	11.00 - 11.50	11.50 - 12.00	12.00 and over
Carding and drawing																													
Card grinders ²	147	\$8.35	-	-	-	-	-	-	6	1	1	10	1	1	1	4	14	10	37	12	3	-	-	-	-	-	-	-	-
Card operators (finishers)	1,154	7.18	-	-	-	-	1	3	2	7	15	22	19	7	9	3	(³)	2	-	2	(³)	8	-	-	-	-	(³)	-	
Time	842	7.23	-	-	-	-	-	5	2	6	17	22	17	6	9	-	-	2	-	2	(³)	11	-	-	-	-	(³)	-	
Incentive	312	7.05	-	-	-	-	4	1	2	8	10	21	23	9	9	10	(³)	4	-	-	-	-	-	-	-	-	-	(³)	
Card strippers	108	6.42	-	-	-	-	11	7	2	37	13	26	-	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Time	100	6.37	-	-	-	-	12	8	2	40	14	24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Comber operators	223	7.46	-	-	-	-	-	-	-	2	18	23	13	3	8	7	5	9	5	2	-	4	-	-	-	-	-	-	
Time	113	7.06	-	-	-	-	-	-	-	-	27	42	19	2	-	-	2	2	5	-	-	2	-	-	-	-	-	-	
Incentive	110	7.87	-	-	-	-	-	-	-	4	10	4	6	5	15	14	8	16	5	4	-	5	-	-	-	-	-	-	
Drawing-frame operators	1,550	7.42	-	-	-	1	3	2	1	4	9	17	15	9	6	8	7	8	4	2	3	1	(³)	(³)	(³)	(³)	(³)	(³)	
Time	305	6.71	-	-	-	-	8	-	(³)	-	32	49	6	-	5	-	-	-	-	-	1	-	-	-	-	-	-	-	
Incentive	1,245	7.59	-	-	-	1	1	2	1	4	3	10	17	11	7	10	9	9	5	3	3	2	1	(³)	1	(³)	(³)	(³)	
Opener operators ²	703	6.53	-	3	-	-	2	3	6	13	46	25	1	(³)	1	(³)	(³)	-	1	-	-	-	-	-	-	-	-	-	
Picker operators	88	7.08	-	-	-	-	-	-	7	10	7	50	1	11	2	-	-	-	5	2	2	-	2	-	-	-	-	-	
Time	61	6.74	-	-	-	-	-	-	10	15	3	72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Incentive	27	7.84	-	-	-	-	-	-	-	-	15	-	4	37	7	-	-	-	-	-	-	-	-	-	-	-	-	-	
Roving operators	1,213	7.90	-	(³)	-	-	1	1	1	1	2	3	16	18	10	5	12	8	5	4	5	1	4	1	2	(³)	(³)	(³)	
Time	406	7.41	-	-	-	-	1	1	-	-	(³)	(³)	32	46	11	-	6	1	1	-	-	-	-	-	-	(³)	(³)	(³)	
Incentive	807	8.15	-	(³)	-	-	2	1	1	1	2	5	7	3	10	7	14	12	7	6	8	2	5	2	3	(³)	(³)	(³)	
Spinning																													
Doffers	2,470	7.68	(³)	(³)	(³)	1	(³)	1	(³)	12	1	6	10	14	12	7	8	10	3	2	4	4	1	(³)	1	1	(³)	(³)	(³)
Time	770	7.03	1	-	-	4	-	1	-	36	(³)	8	8	21	3	1	1	14	-	(³)	-	-	-	-	-	-	-	-	
Incentive	1,700	7.98	(³)	(³)	(³)	(³)	(³)	(³)	(³)	2	2	5	11	10	16	10	11	7	4	3	6	6	2	1	2	1	(³)	(³)	
Section fixers ²	1,691	8.47	-	-	-	-	-	-	4	-	-	-	7	3	5	2	5	9	3	12	27	13	4	-	-	-	-	-	
Ring frame	1,076	8.46	-	-	-	-	-	-	-	-	-	11	9	4	5	1	4	6	5	8	34	13	-	-	-	-	-	-	
Open-end	537	8.75	-	-	-	-	-	-	-	-	-	-	3	2	6	3	7	17	1	20	17	12	13	-	-	-	-	-	
Spinners	6,288	6.93	-	-	-	3	1	2	5	2	24	12	30	10	6	1	1	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	
Time	4,419	6.87	-	-	-	4	1	3	5	2	25	11	34	7	6	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	
Incentive	1,869	7.07	-	-	-	(³)	(³)	(³)	3	3	23	17	20	19	6	3	2	1	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	
Ring frame	4,513	7.00	-	-	-	(³)	1	1	6	2	18	14	34	13	6	1	1	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	
Time	3,017	6.94	-	-	-	-	2	2	7	2	19	11	40	9	7	-	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	
Incentive	1,496	7.11	-	-	-	1	(³)	-	3	3	17	18	24	21	5	3	3	1	(³)	(³)	1	(³)	-	1	-	-	-	-	
Open-end	1,681	6.70	-	-	-	10	-	5	1	2	42	10	21	2	6	1	(³)	(³)	(³)	(³)	(³)	1	(³)	(³)	(³)	(³)	(³)	(³)	
Time	1,308	6.64	-	-	-	12	-	5	1	2	40	10	25	(³)	4	-	-	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	
Incentive	373	6.93	-	-	-	-	-	2	2	2	49	12	6	8	12	3	1	1	(³)	(³)	1	(³)	-	1	(³)	(³)	(³)	(³)	
Yarn-dyeing-machine operators ² ..	85	7.45	-	-	-	-	-	-	5	9	1	-	7	19	34	16	-	2	5	1	-	-	-	-	-	-	-	-	
Spooling, winding, and twisting																													
Twister operators	1,516	6.77	-	-	1	3	3	6	6	7	26	17	11	11	6	(³)	1	(³)	(³)	2	1	-	(³)	(³)	(³)	(³)	(³)	(³)	(³)
Time	715	6.84	-	-	-	4	1	4	-	1	37	26	7	16	1	-	-	-	1	3	-	-	-	-	-	-	-	-	
Incentive	801	6.71	-	-	1	3	4	8	11	12	16	10	13	6	11	(³)	1	(³)	(³)	1	1	1	1	1	(³)	(³)	(³)	(³)	
Yarn winders	5,986	6.95	-	(³)	1	3	3	5	3	17	13	14	8	7	11	3	3	2	2	1	1	(³)	(³)	(³)	(³)	(³)	(³)	(³)	
Time	2,784	6.77	-	-	-	4	3	4	1	24	15	22	3	7	15	(³)	1	(³)	2	2	(³)	-	(³)	(³)	(³)	(³)	(³)	(³)	
Incentive	3,202	7.11	-	(³)	2	2	4	5	5	11	11	11	8	12	8	6	6	4	2	2	2	2	2	2	2	1	(³)	(³)	
Slashing and warping																													
Slasher operators ²	802	7.90	-	-	(³)	-	(³)	-	1	7	6	3	2	3	1	8	2	55	2	6	(³)	1	-	(³)	(³)	-	(³)	-	

See footnotes at end of table.

Table 16. Cotton and synthetic fiber textile plants: Occupational earnings—North Carolina—Continued

(Percent distribution of workers in selected occupations by straight-time hourly earnings,¹ August 1990)

Occupation	Number of workers	Average (mean) hourly earnings	Percent of workers receiving straight-time hourly earnings (in dollars) of—																											
			Under 4.75	4.75 and under 5.00	5.00 - 5.25	5.25 - 5.50	5.50 - 5.75	5.75 - 6.00	6.00 - 6.25	6.25 - 6.50	6.50 - 6.75	6.75 - 7.00	7.00 - 7.25	7.25 - 7.50	7.50 - 7.75	7.75 - 8.00	8.00 - 8.25	8.25 - 8.50	8.50 - 8.75	8.75 - 9.00	9.00 - 9.25	9.25 - 9.50	9.50 - 9.75	9.75 - 10.00	10.00 - 10.50	10.50 - 11.00	11.00 - 11.50	11.50 - 12.00	12.00 and over	
Warper operators	799	\$7.33	-	-	-	(³)	1	1	1	5	20	4	26	13	13	3	2	1	5	2	1	-	1	1	2	1	-	-	-	
Time	683	7.20	-	-	-	(³)	1	-	(³)	5	22	3	29	13	15	2	2	(³)	5	2	-	-	-	-	-	-	-	-		
Slow speed	68	7.18	-	-	-	4	3	-	1	-	47	3	4	1	1	7	4	-	-	22	-	-	-	-	-	-	-	-		
Time	63	7.15	-	-	-	5	3	-	2	-	51	3	2	2	2	3	5	-	-	24	-	-	-	-	-	-	-	-		
High speed	731	7.35	-	-	-	-	-	(³)	1	5	18	4	27	14	14	2	2	1	5	1	1	-	1	1	2	1	-	-		
Time	620	7.20	-	-	-	-	(³)	-	-	5	19	3	32	14	16	2	2	(³)	6	-	-	-	-	-	-	-	-	-		
Weaving																														
Cloth doffers ²	511	6.67	-	-	1	-	2	1	5	27	17	44	(³)	-	-	(³)	3	-	-	(³)	-	-	-	-	-	-	-	-	-	
Drawing-in-machine operators	163	8.10	-	-	-	-	-	1	2	-	-	13	3	5	8	1	15	17	9	26	-	-	-	-	-	-	-	-	-	
Time	118	8.31	-	-	-	-	-	1	3	-	-	1	4	7	3	1	12	24	8	36	-	-	-	2	-	-	-	-	-	
Loom fixers	1,541	9.77	-	-	-	-	-	-	(³)	-	-	(³)	1	(³)	(³)	1	1	2	2	4	4	18	3	30	30	1	(³)	1	2	
Time	1,164	9.78	-	-	-	-	-	-	(³)	-	-	(³)	1	(³)	(³)	(³)	3	2	5	4	14	4	25	39	1	-	-	-		
Plain and dobby shuttle looms	54	9.33	-	-	-	-	-	-	2	-	-	-	-	-	-	-	22	-	-	20	-	-	-	-	-	-	-	-	-	
Shuttleless looms	1,168	9.83	-	-	-	-	-	-	-	-	-	-	1	-	-	(³)	-	-	2	2	(³)	23	4	28	34	2	1	1	1	
Time	813	9.82	-	-	-	-	-	-	-	-	-	-	1	-	-	(³)	-	-	3	2	-	20	5	20	48	1	-	-	(³)	
Other (including combination) ²	230	9.41	-	-	-	-	-	-	-	-	-	1	(³)	1	3	2	13	-	13	(³)	-	-	55	9	-	-	-	-	-	
Tying-in-machine operators ²	498	8.59	-	-	-	(³)	-	-	1	-	-	2	-	3	1	-	6	32	34	5	5	-	13	-	-	-	-	-	-	
Weavers, shuttle looms	501	9.25	-	-	-	-	-	-	-	-	-	1	-	1	-	1	2	8	5	24	9	11	5	21	8	3	(³)	-	-	
Time	326	9.18	-	-	-	-	-	-	-	-	-	-	-	2	-	-	12	2	33	11	6	6	25	2	2	-	-	-	-	
Incentive	175	9.37	-	-	-	-	-	-	-	-	-	3	-	-	-	2	6	1	10	7	4	22	5	14	21	4	1	-	-	
Weavers, shuttleless looms	3,574	8.89	-	-	-	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	2	2	5	16	11	8	11	9	7	9	6	9	2	1	(³)	(³)	
Time	556	8.06	-	-	-	1	(³)	(³)	1	(³)	1	2	-	1	(³)	13	35	38	(³)	4	2	-	-	(³)	(³)	-	-	-	-	
Incentive	3,018	9.05	-	-	-	-	-	-	-	-	-	1	2	2	3	12	7	9	12	10	8	11	7	10	3	1	1	(³)	(³)	
Rapier	805	8.77	-	-	-	-	-	-	(³)	(³)	(³)	1	(³)	4	2	21	16	8	12	10	8	7	3	3	2	1	(³)	(³)	(³)	
Incentive	690	8.88	-	-	-	-	-	-	(³)	(³)	(³)	(³)	(³)	4	1	2	25	3	9	14	11	9	8	4	3	2	1	1	(³)	
Projectile (Sulzer)	2,147	8.99	-	-	-	-	-	-	(³)	(³)	(³)	(³)	(³)	1	2	7	8	10	9	13	11	6	9	6	12	3	(³)	(³)	(³)	
Time	170	8.19	-	-	-	-	-	-	-	-	-	-	-	-	-	44	-	35	-	14	7	-	-	-	-	-	-	-	-	
Incentive	1,977	9.06	-	-	-	-	-	-	(³)	1	(³)	(³)	1	1	2	4	8	8	10	13	11	7	10	7	13	3	(³)	(³)	(³)	
Other (including combination)	334	8.98	-	-	-	2	(³)	(³)	2	1	1	1	1	2	2	5	16	2	2	13	20	18	8	(³)	(³)	-	-	-	-	
Incentive	262	9.35	-	-	-	-	-	-	-	-	-	1	1	1	1	2	3	6	3	2	2	16	26	23	10	(³)	-	-	-	
Cloth room																														
Cloth inspectors, machine ²	1,029	6.85	-	-	(³)	(³)	3	2	5	4	29	14	19	17	1	1	4	-	2	-	-	-	-	-	-	-	-	-	-	-
Maintenance and miscellaneous																														
Carpenters ²	145	9.50	-	-	-	-	-	-	-	-	-	1	1	13	6	6	6	5	4	3	7	-	13	1	1	6	-	28	1	
Electricians ²	298	9.67	-	-	-	-	-	-	-	-	-	(³)	-	-	4	3	4	4	9	6	14	7	17	11	10	6	3	(³)	(³)	
Electronics technicians ²	60	10.17	-	-	-	-	-	-	-	-	-	-	13	-	-	-	-	-	-	-	13	-	8	10	-	38	5	-	12	
Level I	26	9.03	-	-	-	-	-	-	-	-	-	-	31	-	-	-	-	-	-	-	-	31	-	23	-	4	12	-	-	
Level II	27	10.61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	19	-	81	-	-	-	-	
General maintenance workers ²	175	7.19	-	14	-	-	-	-	17	7	-	1	15	8	7	2	4	2	2	14	2	1	-	2	-	2	-	-	-	
Handtruck operators ²	629	5.91	8	-	-	23	23	6	4	1	28	1	4	-	1	1	-	(³)	-	-	(³)	-	-	-	-	-	(³)	-	-	
Janitors, porters, or cleaners ²	1,539	6.08	1	2	3	8	2	13	23	43	2	1	1	-	(³)	-	(³)	-	(³)	-	(³)	(³)	-	-	-	-	-	-	-	
Machinists ²	96	9.64	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	8	20	8	17	2	22	10	3	-	8	1	
Mechanics ²	600	9.64	-	-	-	-	-	(³)	-	-	-	-	1	(³)	1	10	2	4	3	8	6	14	7	8	7	22	7	-	-	
Powertruck operators ²	475	6.65	-	-	1	7	1	7	11	6	10	42	3	1	3	6	1	-	-	(³)	-	-	-	-	-	-	-	-	-	
Forklift operators	459	6.64	-	-	1	7	1	8	12	4	10	43	3	(³)	3	7	1	-	-	-	-	-	-	-	-	-	-	-	-	
Other than forklift	16	6.90	-	-	-	-	-	-	-	63	-	-	-	25	-	-	-	-	-	6	-	-	-	-	-	-	-	-	-	

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¹ Excludes premium pay for overtime and for work on weekends, holidays, and late shifts. Incentive payments, such as those resulting from piecework or production bonus systems, and cost-of-living pay increases (but not bonuses) were included as part of the workers' regular pay. Excluded are performance bonuses and lump-sum payments of the type negotiated in the auto and aerospace industries, as well as profit-sharing payments, attendance bonuses, Christmas or yearend bonuses, and other nonproduction bonuses.

² Virtually all time workers.

³ Less than 0.5 percent.

⁴ All workers were at \$12.50 and under \$13.

NOTE: Because of rounding, sums of individual items may not equal 100. Dashes indicate that no data were reported.

Table 17. Cotton and synthetic fiber textile plants: Occupational earnings—South Carolina

(Percent distribution of workers in selected occupations by straight-time hourly earnings.¹ August 1990)

Occupation	Number of workers	Average (mean) hourly earnings	Percent of workers receiving straight-time hourly earnings (in dollars) of—																										
			Under 5.25	5.25 and under 5.50	5.50-5.75	5.75-6.00	6.00-6.25	6.25-6.50	6.50-6.75	6.75-7.00	7.00-7.25	7.25-7.50	7.50-7.75	7.75-8.00	8.00-8.25	8.25-8.50	8.50-8.75	8.75-9.00	9.00-9.25	9.25-9.50	9.50-9.75	9.75-10.00	10.00-10.25	10.25-10.50	10.50-10.75	10.75-11.00	11.00-11.50	11.50-12.00	12.00 and over
			Carding and drawing																										
Card grinders ²	130	\$9.31	-	-	-	-	-	-	2	-	-	1	-	-	-	-	28	1	5	5	52	-	5	2	-	-	-	-	-
Card operators (finishers)	757	7.21	(³)	1	-	1	2	1	3	23	33	18	3	6	3	4	(³)	-	1	2	-	(³)	5	2	(³)	-	-	-	-
Time	549	7.08	(³)	-	-	-	3	1	4	29	38	19	1	-	3	-	-	-	(³)	1	-	-	-	-	-	-	-	-	-
Comber operators	171	7.34	-	-	-	-	1	4	2	20	11	42	2	5	8	1	4	1	-	-	1	-	-	-	-	-	-	-	-
Time	111	7.25	-	-	-	-	-	5	-	29	5	47	3	-	6	-	5	-	-	-	-	-	-	-	-	-	-	-	-
Incentive	60	7.50	-	-	-	-	2	-	7	3	23	33	-	13	10	2	-	3	-	-	-	-	-	-	-	-	-	-	-
Drawing-frame operators	745	7.25	(³)	1	(³)	(³)	(³)	2	9	27	19	17	5	8	3	4	1	1	1	(³)	-	1	-	-	-	-	-	-	-
Time	416	7.05	-	-	-	-	-	2	4	42	28	19	4	-	-	-	(³)	-	-	-	-	-	-	-	-	-	-	-	-
Incentive	329	7.50	(³)	2	(³)	(³)	1	3	14	8	9	13	8	19	7	10	1	2	2	1	-	1	-	-	-	-	-	-	-
Opener operators	287	6.66	(³)	-	-	-	2	28	42	16	5	2	3	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Time	256	6.61	(³)	-	-	-	2	31	47	15	-	-	3	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Incentive	31	7.07	-	-	-	-	3	-	-	26	48	23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Roving operators	710	8.12	1	1	(³)	(³)	(³)	1	1	3	1	7	12	15	18	8	15	4	5	3	2	2	-	1	(³)	(³)	-	-	-
Time	156	7.80	-	-	-	-	-	-	-	8	-	8	31	21	31	-	-	-	1	-	-	-	-	-	-	-	-	-	-
Incentive	554	8.22	2	1	(³)	(³)	(³)	1	1	1	7	7	13	14	11	20	6	5	3	3	2	-	1	1	(³)	-	-	-	-
Spinning																													
Doffers	1,694	8.05	1	(³)	-	-	(³)	(³)	1	3	1	3	5	47	10	16	2	5	1	1	1	(³)	1	(³)	(³)	(³)	(³)	(³)	(³)
Time	940	7.86	1	-	-	-	-	1	2	-	2	5	75	7	4	-	3	(³)	-	-	-	-	-	-	-	-	-	-	-
Incentive	754	8.28	(³)	(³)	-	-	1	1	1	4	3	4	4	13	13	31	6	7	3	1	2	1	1	1	1	1	1	1	1
Section fixers ²	901	9.01	-	-	-	(³)	-	(³)	1	(³)	16	(³)	-	3	-	4	(³)	5	7	12	45	4	1	1	1	1	1	1	1
Air-jet	158	9.79	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	68	20	-	5	-	-	-	-	-
Ring frame	604	8.74	-	-	-	(³)	-	1	1	1	24	(³)	-	3	-	6	(³)	1	9	15	37	-	-	(³)	-	-	-	-	-
Open-end	115	9.26	-	-	-	-	-	-	-	-	-	-	-	7	-	3	-	25	9	7	46	3	1	-	-	-	-	-	-
Other	24	9.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	17	-	25	58	-	-	-	-	-	-	-	-
Spinners	3,707	7.30	(³)	-	(³)	(³)	(³)	1	7	6	19	45	12	4	2	2	(³)	1	(³)	(³)	(³)	(³)	-	(³)	(³)	(³)	(³)	(³)	(³)
Time	3,031	7.27	(³)	-	-	-	(³)	1	8	2	19	51	12	3	2	1	-	(³)	(³)	(³)	(³)	(³)	-	(³)	(³)	(³)	(³)	(³)	(³)
Incentive	676	7.43	-	-	(³)	(³)	1	3	3	24	15	17	12	8	4	5	3	2	1	1	1	1	-	-	-	-	-	-	-
Ring frame	3,025	7.32	(³)	-	(³)	(³)	(³)	1	7	6	16	45	14	4	2	1	1	1	(³)	(³)	(³)	(³)	-	(³)	(³)	(³)	(³)	(³)	(³)
Time	2,451	7.28	(³)	-	-	-	-	1	9	2	17	52	14	3	2	1	-	(³)	(³)	(³)	(³)	(³)	-	-	-	-	-	-	-
Incentive	574	7.46	-	-	1	(³)	1	3	2	25	13	17	12	9	4	5	3	2	1	1	1	-	-	-	-	-	-	-	-
Open-end	419	7.13	-	-	-	-	3	-	10	9	45	27	3	(³)	(³)	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Time	349	7.08	-	-	-	-	3	-	12	6	49	29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other ²	97	7.30	-	-	-	-	-	-	-	2	98	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yarn-dyeing-machine operators ²	36	8.18	-	-	-	-	-	-	-	-	-	-	-	14	58	25	-	-	-	3	-	-	-	-	-	-	-	-	-
Spooling, winding, and twisting																													
Twister operators	468	6.88	⁴ 14	-	-	-	-	41	4	10	5	4	16	1	4	(³)	-	-	-	-	-	-	-	-	-	-	-	-	-
Time	407	6.78	16	-	-	-	-	46	3	8	4	4	18	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Incentive	61	7.55	-	-	-	-	-	10	10	26	13	3	3	-	31	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Yarn winders	2,670	7.23	(³)	2	-	2	1	5	12	15	17	13	9	8	5	3	4	1	1	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)
Time	1,299	7.01	-	-	-	3	2	8	18	19	24	15	4	(³)	1	(³)	5	1	1	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)
Incentive	1,371	7.44	(³)	5	-	(³)	1	3	7	12	10	11	13	15	9	6	4	2	1	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)	(³)
Slashing and warping																													
Slasher operators ²	594	8.23	(³)	-	-	-	-	-	(³)	3	3	5	28	18	17	12	7	3	1	3	1	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 17. Cotton and synthetic fiber textile plants: Occupational earnings—South Carolina—Continued

(Percent distribution of workers in selected occupations by straight-time hourly earnings,¹ August 1990)

Occupation	Number of workers	Average (mean) hourly earnings	Percent of workers receiving straight-time hourly earnings (in dollars) of—																												
			Under 5.25	5.25 and under 5.50	5.50-5.75	5.75-6.00	6.00-6.25	6.25-6.50	6.50-6.75	6.75-7.00	7.00-7.25	7.25-7.50	7.50-7.75	7.75-8.00	8.00-8.25	8.25-8.50	8.50-8.75	8.75-9.00	9.00-9.25	9.25-9.50	9.50-9.75	9.75-10.00	10.00-10.25	10.25-10.50	10.50-10.75	10.75-11.00	11.00-11.50	11.50-12.00	12.00 and over		
Warper operators	619	\$7.49	-	-	(³)	(³)	1	2	1	6	44	15	5	9	1	(³)	9	(³)	(³)	2	(³)	-	1	-	-	(³)	(³)	-	(³)	(³)	
Time	553	7.40	-	-	(³)	1	1	1	2	6	48	15	4	9	-	-	10	-	-	2	-	-	-	-	-	-	-	-	-		
Incentive	66	8.32	-	-	-	-	-	6	-	5	11	15	14	6	12	3	2	3	3	-	3	-	6	-	-	3	3	-	3		
Slow speed	191	7.71	-	-	-	-	3	5	5	3	11	27	4	29	3	1	-	1	1	-	1	-	2	-	-	1	1	-	1		
Time	134	7.40	-	-	-	-	4	4	7	3	12	31	-	39	-	-	-	-	-	-	-	-	-	-	-	-	-	-			
Incentive	57	8.43	-	-	-	-	-	7	-	4	9	16	12	7	11	4	-	4	4	-	4	-	7	-	-	4	4	-	4		
High speed²	428	7.40	-	-	(³)	1	1	(³)	-	7	59	10	5	-	(³)	-	14	-	-	3	-	-	-	-	-	-	-	-	-		
Weaving																															
Battery operators	762	6.77	1	-	-	(³)	-	10	53	12	20	(³)	1	1	(³)	(³)	-	-	(³)	-	-	(³)	(³)	-	-	-	-	-	-		
Time	688	6.74	1	-	-	-	-	10	57	13	18	-	-	1	(³)	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Incentive	74	7.12	-	-	-	1	-	14	15	11	38	3	7	7	-	1	-	-	-	1	-	1	-	-	-	-	-	-	-		
Cloth doffers²	390	6.81	-	-	-	-	2	22	18	31	21	1	4	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-		
Drawing-in-machine operators²	224	8.51	-	-	-	-	3	1	(³)	1	(³)	8	1	1	16	(³)	44	5	1	4	6	2	2	2	-	-	-	-	-		
Loom fixers	1,995	9.86	-	-	-	-	-	-	-	-	(³)	(³)	(³)	(³)	(³)	(³)	6	1	(³)	8	15	36	25	2	2	(³)	2	(³)	(³)		
Time	1,810	9.95	-	-	-	-	-	-	-	-	(³)	-	-	-	-	-	1	1	-	-	8	15	36	25	2	2	(³)	2	(³)		
Incentive	185	9.04	-	-	-	-	-	-	-	-	-	-	2	1	1	2	1	60	3	1	16	33	43	3	1	1	1	1	1		
Plain and dobby shuttle looms	431	9.75	-	-	-	-	-	-	-	-	-	1	-	(³)	1	-	(³)	1	-	-	18	35	44	2	(³)	(³)	(³)	(³)	(³)		
Time	393	9.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	18	35	44	2	(³)	(³)	(³)	(³)	(³)		
Shuttleless looms²	1,127	9.95	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	7	13	43	27	2	(³)	(³)	(³)	(³)	(³)		
Other (including combination)	186	9.14	-	-	-	-	-	-	-	-	-	1	-	1	1	59	1	1	1	2	-	32	1	-	-	-	-	-	-	-	
Tying-in-machine operators²	351	8.67	-	-	-	-	-	(³)	-	(³)	(³)	1	2	2	3	10	36	9	9	9	9	9	9	1	1	1	(³)	(³)	(³)	(³)	
Weavers, shuttle looms	1,040	8.85	-	-	(³)	-	(³)	-	(³)	(³)	(³)	1	2	2	4	13	13	12	12	12	12	12	12	1	1	1	(³)	(³)	(³)	(³)	
Incentive	764	8.97	-	-	(³)	-	(³)	-	(³)	(³)	(³)	1	2	2	4	13	13	12	12	12	12	12	4	-	-	-	-	-	-	-	
Plain looms⁵	341	8.88	-	-	-	1	-	(³)	-	1	1	1	1	1	(³)	2	17	18	13	11	13	16	4	-	-	-	-	-	-	-	
Other (including combination)⁵	101	8.99	-	-	-	-	-	-	-	-	-	6	3	7	18	10	10	8	8	9	12	3	4	1	1	1	1	1	1	1	
Weavers, shuttleless looms	4,096	8.99	-	-	(³)	(³)	(³)	-	(³)	(³)	(³)	1	1	4	4	4	6	18	19	8	8	8	5	5	3	1	1	1	1	(³)	
Time	817	8.62	-	-	-	1	-	-	-	4	-	-	-	1	(³)	6	49	36	-	1	1	-	-	(³)	-	-	-	-	-	-	
Incentive	3,279	9.09	-	-	(³)	(³)	(³)	-	(³)	(³)	(³)	1	1	5	5	5	6	11	15	10	9	10	6	6	4	1	1	1	1	(³)	
Air-jet looms	2,692	9.04	-	-	(³)	-	-	-	-	(³)	1	1	1	5	4	5	5	21	13	7	7	9	5	7	4	1	1	1	2	1	1
Incentive	2,190	9.13	-	-	(³)	-	-	-	-	1	1	1	6	5	6	7	8	12	9	9	11	6	8	4	2	1	1	1	1	1	1
Rapier	501	8.82	-	-	-	-	-	-	-	4	1	2	5	3	11	20	31	6	3	2	2	3	1	1	1	1	1	1	1	1	1
Incentive	429	8.95	-	-	-	-	-	-	-	-	1	2	5	3	1	24	36	7	4	2	2	3	4	2	1	1	1	1	1	1	1
Projectile (Sulzer)⁵	402	8.74	-	-	-	3	-	-	1	(³)	(³)	3	2	2	5	6	17	13	26	11	4	5	1	-	-	-	(³)	-	-	-	-
Other (including combination)⁵	278	9.21	-	-	-	(³)	(³)	-	1	1	-	1	1	4	4	5	4	7	6	21	4	5	1	-	-	-	-	-	-	-	-
Cloth room																															
Cloth inspectors, machine²	1,242	6.86	(³)	-	-	(³)	1	6	34	30	17	7	(³)	2	1	(³)	1	-	(³)	(³)	(³)	-	-	-	-	-	-	-	-	-	-
Maintenance and miscellaneous																															
Carpenters²	38	9.20	-	-	-	-	-	-	-	-	-	-	-	5	-	3	32	8	3	11	13	18	-	5	-	-	3	-	-	-	
Electricians²	327	10.86	-	-	-	-	-	-	-	-	-	-	-	4	-	3	1	2	1	1	6	4	7	8	6	4	20	15	6	18	
Electronics technicians²	15	10.92	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	33	-	2	-	7	13	20	27	-	-
General maintenance workers²	130	7.14	-	-	28	-	8	5	20	-	-	-	5	5	-	8	9	6	-	-	5	-	-	-	-	-	-	-	-	-	-
Handtruck operators²	472	6.19	7	17	-	5	8	50	10	5	1	1	2	-	(³)	-	-	-	-	-	(³)	-	-	-	-	-	-	-	-	-	-
Janitors, porters, or cleaners²	597	6.43	3	3	2	10	10	34	11	13	5	4	2	(³)	3	(³)	(³)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Machinists²	85	9.86	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	55	6	26	5	5	-	-	-	-	-
Mechanics²	285	10.20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	9	15	8	8	26	-	-	1	22	5	3	
Powertruck operators²	354	6.73	-	-	6	7	4	2	24	35	9	10	3	2	-	(³)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Forklift operators	352	6.73	-	-	6	7	4	1	24	35	9	10	3	2	-	(³)	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

¹ Excludes premium pay for overtime and for work on weekends, holidays, and late shifts. Incentive payments, such as those resulting from piecework or production bonus systems, and cost-of-living pay increases (but not bonuses) were included as part of the workers' regular pay. Excluded are performance bonuses and lump-sum payments of the type negotiated in the auto and aerospace industries, as well as profit-sharing payments, attendance bonuses, Christmas or yearend bonuses, and other nonproduction bonuses.

² Virtually all time workers.

³ Less than 0.5 percent.

⁴ All workers were at \$5 and under \$5.25.

⁵ Virtually all incentive workers.

⁶ Workers were distributed as follows: 9 percent at \$12 and under \$12.50; 6 percent at \$12.50 and under \$13; 3 percent at \$13 and under \$13.50; and 1 percent at \$13.50 and under \$14.

⁷ Workers were distributed as follows: 3 percent at \$3.80 and under \$4; and 14 percent at \$4.75 and under \$5.

NOTE: Because of rounding, sums of individual items may not equal 100. Dashes indicate that no data were reported.

Table 19. Cotton and synthetic fiber textile plants: Occupational earnings—Virginia

(Percent distribution of workers in selected occupations by straight-time hourly earnings,¹ August 1990)

Occupation	Number of workers	Average (mean) hourly earnings	Percent of workers receiving straight-time hourly earnings (in dollars) of—																										
			Under 5.00	5.00 and under 5.25	5.25 - 5.50	5.50 - 5.75	5.75 - 6.00	6.00 - 6.25	6.25 - 6.50	6.50 - 6.75	6.75 - 7.00	7.00 - 7.25	7.25 - 7.50	7.50 - 7.75	7.75 - 8.00	8.00 - 8.25	8.25 - 8.50	8.50 - 8.75	8.75 - 9.00	9.00 - 9.25	9.25 - 9.50	9.50 - 9.75	9.75 - 10.00	10.00 - 10.25	10.25 - 10.50	10.50 - 10.75	10.75 - 11.00	11.00 and over	
Carding and drawing																													
Card operators (finishers):																													
Time	15	\$6.42	-	-	-	-	53	-	-	27	-	-	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Opener operators ²	36	6.21	-	-	-	-	75	-	-	-	17	-	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Spinning																													
Doffers	113	6.85	-	-	-	-	11	48	20	-	-	-	-	1	51	8	-	-	-	21	-	-	-	-	-	-	-	-	
Section fixers ²	76	8.54	-	-	-	-	-	-	-	-	-	-	-	1	58	9	-	-	-	8	-	-	-	-	-	-	-	-	
Air-jet	67	8.43	-	-	-	-	-	-	-	-	-	-	-	1	58	9	-	-	-	8	-	-	-	-	-	-	-	-	
Spinners:																													
Time	140	6.89	-	-	-	-	14	3	9	12	-	41	-	21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Spooling, winding, and twisting																													
Twister operators ²	358	6.75	-	-	-	2	5	2	35	-	12	36	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Yarn winders:																													
Time	79	6.62	1	-	-	-	43	-	-	-	-	37	19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Slashing and warping																													
Slasher operators ²	242	8.35	-	-	-	-	-	-	-	-	-	-	-	45	-	8	8	26	11	-	-	-	-	2	-	-	-	-	
Warper operators	177	6.99	-	-	-	1	-	15	38	-	-	19	-	-	24	-	3	-	-	-	-	-	-	-	-	-	-	-	
Time	148	7.18	-	-	-	-	-	-	46	-	-	23	-	-	28	-	3	-	-	-	-	-	-	-	-	-	-	-	
High speed	161	6.95	-	-	-	1	-	17	42	-	-	11	-	-	26	-	2	-	-	-	-	-	-	-	-	-	-	-	
Time	132	7.15	-	-	-	-	-	-	52	-	-	14	-	-	32	-	3	-	-	-	-	-	-	-	-	-	-	-	
Weaving																													
Cloth doffers ²	339	7.16	-	-	-	-	9	8	-	8	27	-	27	-	-	-	21	-	-	-	-	-	-	-	-	-	-	-	
Drawing-in-machine operators	48	8.06	-	-	-	-	-	-	-	-	38	-	-	-	8	-	13	-	25	17	-	-	-	-	-	-	-	-	
Time	30	8.72	-	-	-	-	-	-	-	-	-	-	-	-	13	-	20	-	40	27	-	-	-	-	-	-	-	-	
Loom fixers ²	722	9.72	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	20	13	1	-	14	51	-	-	-		
Shuttleless looms	430	9.76	-	-	-	-	-	-	-	-	-	-	43	-	14	-	5	30	5	-	5	-	-	-	-	-	-	-	
Tying-in-machine operators ²	87	8.06	-	-	-	-	-	-	-	-	-	-	-	1	20	1	3	6	6	3	(³)	4	-	-	-	-	-	-	
Weavers, shuttle looms	457	7.36	-	-	(³)	-	-	-	21	23	11	-	-	1	1	2	4	8	8	3	1	1	-	-	-	-	-	-	
Incentive	353	7.14	-	-	1	-	-	-	28	29	14	-	-	1	1	2	4	8	8	3	1	1	-	-	-	-	-	-	
Weavers, shuttleless looms	814	7.89	-	-	-	-	-	-	9	21	8	-	-	-	-	-	37	(³)	1	15	7	(³)	(³)	-	-	-	-	-	
Incentive	491	7.28	-	-	-	-	-	-	14	35	14	-	-	-	-	-	29	1	2	1	2	1	(³)	-	-	-	-	-	
Cloth room																													
Cloth inspectors, machine	424	6.75	-	-	-	19	-	10	-	-	21	20	31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Time	342	7.04	-	-	-	-	-	12	-	-	26	24	38	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Maintenance and miscellaneous																													
Electricians ²	108	9.98	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	-	-	1	69	11	-	7	-	7	-	
General maintenance workers ²	105	8.27	-	-	-	-	-	-	10	10	-	2	24	-	20	1	-	-	-	-	4	6	-	-	-	-	-	-	
Handtruck operators ²	327	6.02	(³)	-	-	59	3	-	7	-	29	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	

¹ Excludes premium pay for overtime and for work on weekends, holidays, and late shifts. Incentive payments, such as those resulting from piecework or production bonus systems, and cost-of-living pay increases (but not bonuses) were included as part of the workers' regular pay. Excluded are performance bonuses and lump-sum payments of the type negotiated in the auto and aerospace industries, as well as profit-sharing payments, attendance bonuses, Christmas or yearend bonuses, and other nonproduction bonuses.

² Virtually all time workers.

³ Less than 0.5 percent.

NOTE: Because of rounding, sums of individual items may not equal 100. Dashes indicate that no data were reported.

Table 20. Cotton and synthetic fiber textile plants: Method of wage payment

(Percent of production workers in establishments by method of wage payment,¹ United States, selected regions, and textile centers,² August 1990)

Method	United States ³	Regions				Anderson, SC	Georgia		
		New England	Middle Atlantic	Southeast	Southwest				
All workers	100	100	100	100	100	100	100		
Time rated workers	79	91	83	78	65	75	86		
Formal plans	77	85	59	78	65	75	86		
Single rate	73	31	43	75	56	75	86		
Range of rates	4	54	16	2	9	-	-		
Merit	(⁴)	-	5	(⁴)	-	-	-		
Length of service	3	53	7	1	9	-	-		
Combination	1	2	4	1	-	-	-		
Individual determination	1	6	23	1	-	-	-		
Incentive workers	21	9	17	22	35	25	14		
Individual piecework	20	6	11	21	15	25	9		
Group piecework	(⁴)	1	-	(⁴)	1	-	-		
Individual bonus	1	1	(⁴)	(⁴)	8	-	2		
Group bonus	1	1	6	(⁴)	11	-	2		
		Greensboro- Winston- Salem- High Point, NC	Greenville- Spartanburg, SC	Hickory, NC	Maine and New Hampshire	North Carolina	South Carolina	Southern New England	Virginia
All workers	100	100	100	100	100	100	100	100	
Time rated workers	76	75	73	95	75	78	91	78	
Formal plans	76	75	73	94	73	78	83	78	
Single rate	62	75	56	24	69	78	34	72	
Range of rates	14	-	17	70	4	-	49	5	
Merit	-	-	-	-	-	-	-	3	
Length of service	-	-	-	70	1	-	47	2	
Combination	14	-	17	-	3	-	2	-	
Individual determination	-	-	-	1	1	-	8	-	
Incentive workers	24	25	27	5	25	22	9	22	
Individual piecework	24	22	27	5	25	22	6	21	
Group piecework	-	3	-	-	(⁴)	1	1	1	
Individual bonus	-	-	-	-	-	-	2	-	
Group bonus	-	-	-	-	-	-	-	-	

¹ For definition of method of wage payment, see appendix A.

² For definitions of regions and areas, see appendix A, table A-1, footnote 1.

³ Includes data for regions in addition to those shown separately.

⁴ Less than 0.5 percent.

NOTE: Because of rounding, sums of individual items may not equal totals. Dashes indicate that no data were reported.

Table 21. Cotton and synthetic fiber textile plants: Weekly work schedules(Percent of production workers in establishments by scheduled weekly hours,¹ United States, selected regions, and textile centers,² August 1990)

Weekly schedule	United States ³	Regions				Anderson, SC	Georgia
		New England	Middle Atlantic	Southeast	Southwest		
All workers	100	100	100	100	100	100	100
Over 35 and under 37.5 hours	(*)	-	-	(*)	-	-	2
3.0 days	(*)	-	-	(*)	-	-	2
4.5 days	(*)	-	-	(*)	-	-	-
37.5 hours	1	-	26	(*)	-	-	-
5.0 days	1	-	26	(*)	-	-	-
Over 37.5 and under 40 hours	(*)	-	-	(*)	-	-	-
4.75 days	(*)	-	-	(*)	-	-	-
40 hours	64	82	47	64	52	68	47
3.5 days	1	-	-	1	-	-	-
5.0 days	63	82	47	63	52	68	47
6.0 days	1	-	-	1	-	-	-
Over 40 and under 42 hours	(*)	-	16	-	-	-	-
3.5 days	(*)	-	16	-	-	-	-
42 hours	21	18	6	21	35	17	32
3.5 days	17	-	-	18	26	17	18
4.0 days	1	-	6	1	-	-	3
5.0 days	1	18	-	(*)	10	-	1
5.25 days	2	-	-	2	-	-	11
Over 42 and under 48 hours	3	-	5	2	13	-	-
3.5 days	1	-	-	1	-	-	-
5.0 days	(*)	-	5	-	-	-	-
5.5 days	1	-	-	1	13	-	-
6.0 days	(*)	-	-	(*)	-	-	-
48 hours	11	-	-	12	-	15	19
4.0 days	1	-	-	1	-	-	4
5.0 days	3	-	-	3	-	9	6
6.0 days	7	-	-	8	-	6	10

See footnotes at end of table.

Table 21. Cotton and synthetic fiber textile plants: Weekly work schedules—Continued

(Percent of production workers in establishments by scheduled weekly hours,¹ United States, selected regions, and textile centers,² August 1990)

Weekly schedule	Greensboro- Winston- Salem- High Point, NC	Greenville- Spartanburg, SC	Hickory, NC	Maine and New Hampshire	North Carolina	South Carolina	Southern New England	Virginia
All workers	100	100	100	100	100	100	100	100
Over 35 and under 37.5 hours	-	-	3	-	(⁴)	-	-	-
3.0 days	-	-	-	-	-	-	-	-
4.5 days	-	-	3	-	(⁴)	-	-	-
37.5 hours	-	-	-	-	-	-	-	3
5.0 days	-	-	-	-	-	-	-	3
Over 37.5 and under 40 hours	15	-	-	-	1	-	-	-
4.75 days	15	-	-	-	1	-	-	-
40 hours	44	34	39	35	65	71	100	73
3.5 days	-	-	-	-	-	-	-	-
5.0 days	44	34	39	35	64	71	100	73
6.0 days	-	-	-	-	1	-	-	-
Over 40 and under 42 hours	-	-	-	-	-	-	-	-
3.5 days	-	-	-	-	-	-	-	-
42 hours	2	16	17	65	19	10	-	23
3.5 days	2	16	17	-	19	10	-	23
4.0 days	-	-	-	-	-	-	-	-
5.0 days	-	-	-	65	-	-	-	-
5.25 days	-	-	-	-	-	-	-	-
Over 42 and under 48 hours	15	18	5	-	2	6	-	-
3.5 days	-	8	-	-	-	2	-	-
5.0 days	-	-	-	-	-	-	-	-
5.5 days	15	4	5	-	2	2	-	-
6.0 days	-	7	-	-	-	2	-	-
48 hours	24	32	36	-	12	13	-	-
4.0 days	-	-	-	-	-	-	-	-
5.0 days	-	6	-	-	2	5	-	-
6.0 days	24	27	36	-	10	8	-	-

¹ Data relate to the predominant schedule for full-time day-shift workers in each establishment.

² For definitions of regions and areas, see appendix A, table A-1, footnote 1.

³ Includes data for regions in addition to those shown separately.

⁴ Less than 0.5 percent.

NOTE: Because of rounding, sums of individual items may not equal totals. Dashes indicate that no data were reported.

Table 22. Cotton and synthetic fiber textile plants: Shift differential provisions

(Percent of production workers in establishments by shift differential provisions,¹ United States, selected regions, and textile centers,² August 1990)

Shift differential	United States ³	Regions				Anderson, SC	Georgia
		New England	Middle Atlantic	Southeast	Southwest		
Second shift							
Workers in establishments with second-shift provisions	82.3	100.0	100.0	81.4	92.5	83.0	82.3
With shift differential	26.4	71.5	81.4	23.9	18.2	13.2	28.1
Uniform cents per hour	24.6	69.5	70.9	22.2	18.2	13.2	25.0
Under 5 cents	1.6	-	-	1.7	-	-	2.0
5 cents	3.0	15.7	20.3	2.2	-	-	-
Over 5 and under 10 cents	3.4	6.5	12.8	3.2	-	8.9	2.5
10 cents	7.8	13.1	8.1	7.7	-	4.2	14.7
Over 10 and under 15 cents .....	.5	19.9	-	-	-	-	-
15 cents	2.6	3.0	21.1	1.9	8.6	-	1.9
Over 15 and under 20 cents .....	.1	-	6.4	-	-	-	-
20 cents .....	.8	4.1	-	.7	-	-	-
Over 20 and under 25 cents .....	.1	-	-	-	-	-	-
25 cents .....	.9	1.1	-	.9	-	-	4.0
30 cents	3.6	-	2.2	3.8	-	-	-
35 cents .....	.2	4.5	-	-	9.6	-	-
50 cents	(⁴)	1.6	-	-	-	-	-
Uniform percentage	1.3	2.0	10.5	1.1	-	-	-
Under 4 percent .....	.5	-	6.3	.5	-	-	-
7 percent	(⁴)	.5	-	-	-	-	-
10 percent .....	.7	1.5	4.2	.6	-	-	-
Other formal paid differential .....	.5	-	-	.6	-	-	3.1
Third shift							
Workers in establishments with third-shift provisions	82.3	98.5	90.9	81.5	92.5	80.5	82.3
With shift differential	63.1	76.8	90.9	62.8	18.2	42.0	58.9
Uniform cents per hour	60.0	76.4	72.2	59.8	18.2	42.0	55.8
5 cents	34.1	-	3.2	36.4	-	28.8	29.7
Over 5 and under 10 cents	3.6	1.9	-	3.8	-	4.6	5.5
10 cents	7.0	27.4	20.3	6.3	-	-	2.9
Over 10 and under 15 cents .....	.1	-	-	.2	-	4.3	-
15 cents	5.9	4.1	7.5	5.9	-	4.2	12.6
20 cents	1.9	11.8	24.3	.9	-	-	-
Over 20 and under 25 cents .....	.6	19.9	-	-	8.6	-	-
25 cents	1.0	4.1	-	1.0	-	-	1.0
Over 25 and under 30 cents .....	.2	-	5.3	-	-	-	-
30 cents	4.2	-	-	4.5	-	-	-
35 cents .....	.6	4.5	-	.4	9.6	-	1.9
40 cents .....	.2	-	9.4	-	-	-	-
50 cents .....	.4	1.1	-	.4	-	-	2.0
Over 50 and under 65 cents	(⁴)	-	2.2	-	-	-	-
100 cents	(⁴)	1.6	-	-	-	-	-
Uniform percentage	1.2	.5	10.5	1.1	-	-	-
Under 4 percent .....	.1	-	6.3	-	-	-	-
4 percent .....	.4	-	-	.5	-	-	-
10 percent .....	.7	.5	4.2	.6	-	-	-
Other formal paid differential	1.9	-	8.3	1.8	-	-	3.1

See footnotes at end of table.

Table 22. Cotton and synthetic fiber textile plants: Shift differential provisions—Continued

(Percent of production workers in establishments by shift differential provisions,¹ United States, selected regions, and textile centers,² August 1990)

Shift differential	Greensboro- Winston- Salem- High Point, NC	Greenville- Spartanburg, SC	Hickory, NC	Maine and New Hampshire	North Carolina	South Carolina	Southern New England	Virginia
Second shift								
Workers in establishments with second-shift provisions	97.6	85.3	83.1	100.0	81.7	90.5	100.0	76.7
With shift differential	30.2	14.2	53.5	28.6	28.5	16.1	88.2	20.6
Uniform cents per hour	30.2	14.2	29.3	28.6	26.0	15.5	85.3	20.6
5 cents	-	-	-	-	1.6	-	-	2.8
Over 5 and under 10 cents	-	10.0	7.2	-	1.4	2.7	22.2	6.6
10 cents	2.9	4.2	8.4	-	7.5	11.0	-	-
Over 10 and under 15 cents	-	-	-	-	-	1.7	18.5	7.8
15 cents	10.3	-	9.4	-	-	-	28.2	-
Over 15 and under 20 cents	-	-	-	-	4.0	-	4.3	-
20 cents	14.7	-	-	-	-	-	-	-
Over 20 and under 25 cents	-	-	-	-	1.3	-	5.8	3.4
25 cents	2.3	-	4.3	-	.4	-	-	-
30 cents	-	-	-	-	9.8	-	-	-
35 cents	-	-	-	-	-	-	-	-
50 cents	-	-	-	-	-	-	6.4	-
Uniform percentage	-	-	24.2	5.6	-	-	-	-
Under 4 percent	-	-	-	-	2.5	.5	2.8	-
7 percent	-	-	-	-	.8	.5	-	-
10 percent	-	-	-	-	-	-	.7	-
Other formal paid differential	-	-	24.2	-	1.6	-	2.2	-
Third shift								
Workers in establishments with third-shift provisions	97.6	89.9	83.1	100.0	81.5	91.4	97.8	76.7
With shift differential	94.7	81.2	75.5	35.2	72.2	59.8	93.0	62.8
Uniform cents per hour	79.8	81.2	51.3	35.2	66.4	59.3	92.3	62.8
5 cents	38.6	77.1	22.0	-	37.0	46.5	-	48.9
Over 5 and under 10 cents	-	-	-	6.6	-	10.4	-	2.8
10 cents	5.0	4.2	7.2	23.0	10.9	1.1	29.5	-
Over 10 and under 15 cents	-	-	-	-	-	.6	-	-
15 cents	13.2	-	8.4	-	4.7	.6	5.9	7.8
20 cents	14.7	-	-	-	1.9	-	16.6	3.4
Over 20 and under 25 cents	-	-	9.4	-	-	-	28.2	-
25 cents	2.3	-	-	-	2.0	-	5.8	-
Over 25 and under 30 cents	-	-	-	-	-	-	-	-
30 cents	-	-	-	-	9.8	-	-	-
35 cents	-	-	-	-	-	-	6.4	-
40 cents	-	-	-	-	-	-	-	-
50 cents	-	-	4.3	-	-	-	-	-
Over 50 and under 65 cents	-	-	-	-	.2	-	-	-
100 cents	-	-	-	5.6	-	-	-	-
Uniform percentage	-	-	24.2	-	2.5	.5	.7	-
Under 4 percent	-	-	-	-	-	-	-	-
4 percent	-	-	-	-	.8	-	-	-
10 percent	-	-	24.2	-	1.6	.5	.7	-
Other formal paid differential	20.9	-	-	-	3.2	-	-	-

¹ Refers to policies of establishments currently operating late shifts or having provisions covering late shifts.

² For definitions of regions and areas, see appendix A, table A-1, footnote 1.

³ Includes data for regions in addition to those shown separately.

⁴ Less than 0.05 percent.

NOTE: Because of rounding, sums of individual items may not equal totals. Dashes indicate that no data were reported.

Table 23. Cotton and synthetic fiber textile plants: Shift differential practices

(Percent of production workers in establishments by shift differential practices,¹ United States, selected regions, and textile centers,² August 1990)

Shift differential	United States ³	Regions				Anderson, SC	Georgia
		New England	Middle Atlantic	Southeast	Southwest		
	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Second shift							
Workers employed on second shift	20.9	25.7	23.9	20.7	23.5	21.0	20.1
Receiving differential	6.2	18.1	18.2	5.5	5.0	3.3	6.9
Uniform cents per hour	5.7	17.9	16.6	5.1	5.0	3.3	6.2
Under 5 cents .....	.4	-	-	.4	-	-	.6
5 cents .....	.8	5.2	2.7	.6	-	-	.7
Over 5 and under 10 cents .....	.9	1.9	2.5	.8	-	2.3	.7
10 cents	1.5	2.8	3.0	1.4	-	1.0	3.3
Over 10 and under 15 cents .....	.1	5.2	-	-	-	-	.7
15 cents .....	.6	.4	6.1	.5	2.2	-	.7
Over 15 and under 20 cents	(⁴)	-	1.7	-	-	-	-
20 cents .....	.2	1.7	-	.2	-	-	-
Over 20 and under 25 cents	(⁴)	-	-	-	-	-	.8
25 cents .....	.2	.4	-	.2	-	-	-
30 cents .....	.9	-	.4	1.0	-	-	-
35 cents	(⁴)	.4	-	-	2.8	-	-
Uniform percentage .....	.3	.1	1.6	.3	-	-	-
Under 4 percent .....	.1	-	1.6	.1	-	-	-
10 percent .....	.2	.1	.1	.2	-	-	.8
Other formal paid differential .....	.1	-	-	.1	-	-	-
Third shift							
Workers employed on third shift	19.1	18.7	18.1	19.1	22.1	19.3	19.3
Receiving differential	14.7	13.9	18.1	14.7	4.8	9.7	14.1
Uniform cents per hour	13.9	13.9	14.6	13.9	4.8	9.7	13.4
5 cents	8.2	-	.7	8.8	-	6.9	7.3
Over 5 and under 10 cents .....	.8	.2	-	.9	-	1.2	1.5
10 cents	1.3	5.9	2.4	1.1	-	.7	1.0
Over 10 and under 15 cents	(⁴)	-	-	(⁴)	-	-	-
15 cents	1.3	1.0	1.3	1.4	-	.9	2.6
20 cents .....	.5	1.8	5.7	.2	-	-	-
Over 20 and under 25 cents .....	.1	3.8	-	-	2.1	-	.3
25 cents .....	.2	.4	-	.2	-	-	.3
Over 25 and under 30 cents	(⁴)	-	.9	-	-	-	-
30 cents	1.0	-	-	1.1	-	-	.5
35 cents .....	.1	.4	-	.1	2.7	-	-
40 cents .....	.1	-	3.1	-	-	-	.2
50 cents .....	.1	.4	-	.1	-	-	-
Over 50 and under 65 cents	(⁴)	-	.4	-	-	-	-
Uniform percentage .....	.3	-	1.6	.3	-	-	-
Under 4 percent	(⁴)	-	1.6	-	-	-	-
4 percent .....	.1	-	-	.1	-	-	-
10 percent .....	.2	-	-	.2	-	-	.8
Other formal paid differential .....	.5	-	2.0	.5	-	-	-

See footnotes at end of table.

Table 23. Cotton and synthetic fiber textile plants: Shift differential practices—Continued

(Percent of production workers in establishments by shift differential practices,¹ United States, selected regions, and textile centers,² August 1990)

Shift differential	Greensboro- Winston- Salem- High Point, NC	Greenville- Spartanburg, SC	Hickory, NC	Maine and New Hampshire	North Carolina	South Carolina	Southern New England	Virginia
Second shift	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Workers employed on second shift	28.2	18.4	24.1	24.1	20.8	21.5	26.3	21.2
Receiving differential	7.6	3.0	15.6	6.8	5.8	3.9	22.3	5.8
Uniform cents per hour	7.6	3.0	8.8	6.8	5.1	3.7	22.1	5.8
Under 5 cents	-	-	-	-	.3	-	-	.9
5 cents	-	2.6	2.0	-	-	-	-	-
Over 5 and under 10 cents	-	-	-	6.8	.3	.7	7.3	1.6
10 cents .....	.8	.4	-	-	-	2.7	-	-
Over 10 and under 15 cents	-	-	2.6	-	.8	.3	4.0	2.3
15 cents	-	-	-	-	-	-	7.4	-
Over 15 and under 20 cents	2.6	-	2.8	-	.9	-	.6	-
20 cents	-	-	-	-	-	-	-	-
Over 20 and under 25 cents	3.4	-	-	-	.3	-	2.4	.9
25 cents	-	-	-	-	-	-	-	-
30 cents .....	.8	-	1.4	-	.1	-	-	-
35 cents	-	-	-	-	2.4	-	-	-
Uniform percentage	-	-	-	-	-	-	.6	-
Under 4 percent	-	-	6.8	-	.7	.2	.2	-
10 percent	-	-	-	-	.2	.2	-	-
Other formal paid differential	-	-	6.8	-	.5	-	.2	-
	-	-	-	-	-	-	-	-
Third shift								
Workers employed on third shift	24.1	17.1	23.2	20.1	17.9	21.8	17.9	21.0
Receiving differential	23.6	15.7	21.0	4.0	15.6	14.7	17.5	17.0
Uniform cents per hour	17.2	15.7	14.4	4.0	14.0	14.5	17.5	17.0
5 cents	9.2	15.2	6.3	-	8.0	11.9	-	12.9
Over 5 and under 10 cents	-	-	-	.7	-	2.2	-	.9
10 cents	1.3	.5	2.1	3.3	1.6	.1	7.0	-
Over 10 and under 15 cents	-	-	-	-	-	.1	-	-
15 cents	3.2	-	2.2	-	1.1	.1	1.4	2.3
20 cents	3.4	-	-	-	.4	-	2.5	.9
Over 20 and under 25 cents	-	-	-	-	-	-	5.4	-
25 cents .....	.2	-	2.4	-	.4	-	.6	-
Over 25 and under 30 cents	-	-	-	-	-	-	-	-
30 cents	-	-	-	-	2.4	-	-	-
35 cents	-	-	-	-	-	-	.6	-
40 cents	-	-	-	-	-	-	-	-
50 cents	-	-	1.4	-	.1	-	-	-
Over 50 and under 65 cents	-	-	-	-	-	-	-	-
Uniform percentage	-	-	6.5	-	.6	.2	-	-
Under 4 percent	-	-	-	-	-	-	-	-
4 percent	-	-	-	-	.1	.2	-	-
10 percent	-	-	6.5	-	.5	-	-	-
Other formal paid differential	6.3	-	-	-	1.0	-	-	-

¹ Refers to policies of establishments currently operating late shifts.

² For definitions of regions and areas, see appendix A, table A-1, footnote 1.

³ Includes data for regions in addition to those shown separately.

⁴ Less than 0.05 percent.

NOTE: Because of rounding, sums of individual items may not equal totals. Dashes indicate that no data were reported.

Table 24. Cotton and synthetic fiber textile plants: Paid holidays

(Percent of production workers in establishments with formal provisions for paid holidays, United States, selected regions, and textile centers,¹ August 1990)

Number of paid holidays	United States ²	Regions				Anderson, SC	Georgia
		New England	Middle Atlantic	Southeast	Southwest		
All workers	100	100	100	100	100	100	100
Workers in establishments providing paid holidays	100	100	100	100	100	97	100
Under 3 days	(³)	-	-	(³)	-	-	-
3 days	3	-	-	3	-	4	-
4 days	6	-	-	7	-	9	4
5 days	4	-	-	5	-	5	12
6 days	10	-	15	10	20	5	36
7 days	46	-	-	49	18	72	36
8 days	19	2	38	19	10	8	9
9 days	6	18	9	5	52	-	-
9 days plus 1 half day	1	22	-	-	-	-	2
10 days	3	46	14	2	-	-	-
10 days plus 1 half day	(³)	4	-	-	-	-	-
11 days	1	9	5	(³)	-	-	2
12 days	(³)	-	8	-	-	-	-
13 days	(³)	-	4	-	-	-	-
Other ⁴	(³)	-	6	-	-	-	-

	Greensboro-Winston-Salem-High Point, NC	Greenville-Spartanburg, SC	Hickory, NC	Maine and New Hampshire	North Carolina	South Carolina	Southern New England	Virginia
All workers	100	100	100	100	100	100	100	100
Workers in establishments providing paid holidays	100	100	100	100	100	100	100	100
Under 3 days	-	-	-	-	8	1	-	-
3 days	3	4	34	-	16	2	-	-
4 days	-	1	22	-	8	3	-	-
5 days	-	-	33	-	6	6	-	2
6 days	28	18	4	-	15	6	-	88
7 days	33	62	8	-	29	74	-	8
8 days	36	11	-	6	24	6	21	-
9 days	-	3	-	12	-	6	5	-
9 days plus 1 half day	-	-	-	65	-	-	63	2
10 days	-	-	-	-	1	-	5	-
10 days plus 1 half day	-	-	-	-	-	-	6	-
11 days	-	-	-	18	-	-	-	-
12 days	-	-	-	-	-	-	-	-
13 days	-	-	-	-	-	-	-	-
Other ⁴	-	-	-	-	-	-	-	-

¹ For definitions of regions and areas, see appendix A, table A-1, footnote 1.
² Includes data for regions in addition to those shown separately.
³ Less than 0.5 percent.
⁴ Includes provisions for three or more half day paid holidays.

NOTE: Because of rounding, sums of individual items may not equal totals. Dashes indicate that no data were reported.

Table 25. Cotton and synthetic fiber textile plants: Paid vacations

(Percent of production workers in establishments with formal provisions for paid vacations after selected periods of service, United States, selected regions, and textile centers,¹ August 1990)

Vacation policy	United States ²	Regions				Anderson, SC	Georgia
		New England	Middle Atlantic	Southeast	Southwest		
All workers	100	100	100	100	100	100	100
Method of payment							
Workers in establishments providing paid vacations	99	100	100	99	100	97	100
Length-of-time payment	27	40	57	26	18	26	23
Percentage payment	71	60	43	72	82	71	77
Other	1	-	-	1	-	-	-
Amount of vacation pay³							
After 6 months of service:							
Under 1 week	49	81	42	49	9	68	54
1 week	13	9	11	13	18	13	12
2 weeks	(*)	-	-	(*)	-	-	-
After 1 year of service:							
Under 1 week	(*)	-	-	(*)	-	-	2
1 week	87	69	73	88	82	93	94
Over 1 and under 2 weeks	6	9	13	5	-	-	1
2 weeks	6	21	14	6	18	4	3
Over 2 and under 3 weeks	(*)	-	-	(*)	-	-	-
After 2 years of service:							
Under 1 week	(*)	-	-	(*)	-	-	2
1 week	79	64	47	80	82	93	72
Over 1 and under 2 weeks	7	9	18	7	-	-	5
2 weeks	12	27	35	11	18	4	22
Over 2 and under 3 weeks	1	-	-	1	-	-	-
After 3 years of service:							
Under 1 week	(*)	-	-	(*)	-	-	2
1 week	57	11	21	59	64	85	67
Over 1 and under 2 weeks	14	28	20	13	-	-	5
2 weeks	27	56	59	25	36	13	26
Over 2 and under 3 weeks	1	5	-	1	-	-	-
3 weeks	(*)	-	-	(*)	-	-	-
After 4 years of service:							
Under 1 week	(*)	-	-	(*)	-	-	2
1 week	55	8	9	58	64	85	65
Over 1 and under 2 weeks	14	28	30	14	-	-	5
2 weeks	28	59	58	26	36	13	28
Over 2 and under 3 weeks	1	5	3	1	-	-	-
3 weeks	(*)	-	-	(*)	-	-	-
After 5 years of service:							
Under 2 weeks	5	4	17	5	31	-	6
2 weeks	89	90	73	90	69	93	90
Over 2 and under 3 weeks	2	1	10	2	-	-	1
3 weeks	1	-	-	2	-	4	3
Over 3 and under 4 weeks	(*)	5	-	(*)	-	-	-
Over 4 and under 5 weeks	(*)	-	-	-	-	-	-

See footnotes at end of table.

Table 25. Cotton and synthetic fiber textile plants: Paid vacations—Continued

(Percent of production workers in establishments with formal provisions for paid vacations after selected periods of service, United States, selected regions, and textile centers,¹ August 1990)

Vacation policy	United States ²	Regions				Anderson, SC	Georgia
		New England	Middle Atlantic	Southeast	Southwest		
Amount of vacation pay³—Continued							
After 25 years of service:							
Under 3 weeks	13	14	16	13	31	-	14
3 weeks	37	7	49	37	48	31	47
Over 3 and under 4 weeks	1	5	6	1	-	-	1
4 weeks	47	74	21	47	12	66	35
Over 4 and under 5 weeks	(⁴)	-	-	(⁴)	-	-	-
5 weeks	1	-	-	1	9	-	3
Over 5 and under 6 weeks	(⁴)	-	7	-	-	-	-
6 weeks	(⁴)	-	-	(⁴)	-	-	-
After 30 years of service: ⁵							
Under 3 weeks	13	14	16	13	31	-	14
3 weeks	36	7	49	37	48	31	45
Over 3 and under 4 weeks	1	5	6	1	-	-	1
4 weeks	47	70	21	47	12	66	36
Over 4 and under 5 weeks	(⁴)	-	-	(⁴)	-	-	-
5 weeks	1	4	-	(⁴)	9	-	1
Over 5 and under 6 weeks	(⁴)	-	7	-	-	-	-
6 weeks	(⁴)	-	-	(⁴)	-	-	2

See footnotes at end of table.

Table 25. Cotton and synthetic fiber textile plants: Paid vacations—Continued

(Percent of production workers in establishments with formal provisions for paid vacations after selected periods of service, United States, selected regions, and textile centers,¹ August 1990)

Vacation policy	United States ²	Regions				Anderson, SC	Georgia
		New England	Middle Atlantic	Southeast	Southwest		
Amount of vacation pay³—Continued							
After 8 years of service:							
Under 2 weeks	5	4	12	5	31	-	6
2 weeks	89	85	63	90	60	93	90
Over 2 and under 3 weeks	3	6	10	3	-	-	1
3 weeks	2	-	15	1	9	4	3
Over 3 and under 4 weeks	(*)	5	-	-	-	-	-
4 weeks	(*)	-	-	(*)	-	-	-
Over 4 and under 5 weeks	(*)	-	-	-	-	-	-
After 10 years of service:							
Under 2 weeks	2	4	5	2	31	-	5
2 weeks	70	33	25	73	32	93	51
Over 2 and under 3 weeks	5	5	22	5	-	-	2
3 weeks	20	53	47	18	36	4	38
Over 3 and under 4 weeks	1	5	-	1	-	-	1
4 weeks	1	-	-	1	-	-	2
Over 4 and under 5 weeks	(*)	-	-	(*)	-	-	-
After 12 years of service:							
Under 3 weeks	70	37	45	72	64	85	59
3 weeks	28	58	47	26	36	13	38
Over 3 and under 4 weeks	1	5	-	1	-	-	1
4 weeks	1	-	-	1	-	-	2
Over 4 and under 5 weeks	(*)	-	7	(*)	-	-	-
After 15 years of service:							
Under 3 weeks	15	14	16	15	31	-	14
3 weeks	79	69	70	80	69	97	80
Over 3 and under 4 weeks	1	9	6	1	-	-	1
4 weeks	4	7	-	4	-	-	4
Over 4 and under 5 weeks	1	-	7	(*)	-	-	-
After 20 years of service:							
Under 3 weeks	13	14	16	13	31	-	14
3 weeks	70	12	49	72	60	78	64
Over 3 and under 4 weeks	1	5	6	1	-	-	1
4 weeks	14	69	21	12	9	20	19
Over 4 and under 5 weeks	(*)	-	-	(*)	-	-	-
5 weeks	1	-	-	(*)	-	-	2
Over 5 and under 6 weeks	(*)	-	7	-	-	-	-

See footnotes at end of table.

Table 25. Cotton and synthetic fiber textile plants: Paid vacations—Continued

(Percent of production workers in establishments with formal provisions for paid vacations after selected periods of service, United States, selected regions, and textile centers,¹ August 1990)

Vacation policy	Greensboro- Winston- Salem- High Point, NC	Greenville- Spartanburg, SC	Hickory, NC	Maine and New Hampshire	North Carolina	South Carolina	Southern New England	Virginia
All workers	100	100	100	100	100	100	100	100
Method of payment								
Workers in establishments providing paid vacations	100	100	100	100	98	100	100	100
Length-of-time payment	68	4	61	-	28	26	56	40
Percentage payment	32	96	39	100	67	73	44	60
Other	-	-	-	-	3	-	-	-
Amount of vacation pay³								
After 6 months of service:								
Under 1 week	34	44	54	100	43	68	75	9
1 week	44	10	42	-	15	14	12	-
2 weeks	-	-	-	-	-	1	-	-
After 1 year of service:								
Under 1 week	-	-	-	-	-	-	-	1
1 week	97	91	45	82	76	95	65	99
Over 1 and under 2 weeks	-	4	4	18	12	1	6	-
2 weeks	3	4	40	-	9	4	28	-
Over 2 and under 3 weeks	-	-	12	-	(⁴)	-	-	-
After 2 years of service:								
Under 1 week	-	-	-	-	-	-	-	-
1 week	80	88	40	82	71	93	57	94
Over 1 and under 2 weeks	-	7	-	18	13	3	6	-
2 weeks	20	4	44	-	13	4	36	6
Over 2 and under 3 weeks	-	-	16	-	1	-	-	-
After 3 years of service:								
Under 1 week	-	-	-	-	-	-	-	-
1 week	28	77	23	-	44	78	16	54
Over 1 and under 2 weeks	34	4	17	12	28	3	35	-
2 weeks	38	19	44	70	24	19	50	44
Over 2 and under 3 weeks	-	-	16	18	1	-	-	-
3 weeks	-	-	-	-	-	-	-	2
After 4 years of service:								
Under 1 week	-	-	-	-	-	-	-	-
1 week	28	77	23	-	43	77	12	54
Over 1 and under 2 weeks	34	4	17	12	28	4	35	-
2 weeks	38	19	44	70	26	19	54	44
Over 2 and under 3 weeks	-	-	8	18	(⁴)	-	-	-
3 weeks	-	-	7	-	(⁴)	-	-	2
After 5 years of service:								
Under 2 weeks	23	-	33	-	9	(⁴)	6	3
2 weeks	77	93	42	82	84	97	94	94
Over 2 and under 3 weeks	-	4	8	-	3	1	-	-
3 weeks	-	3	13	-	2	1	-	-
Over 3 and under 4 weeks	-	-	4	18	(⁴)	-	-	2
Over 4 and under 5 weeks	-	-	-	-	-	-	-	-

See footnotes at end of table.

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Table 25. Cotton and synthetic fiber textile plants: Paid vacations—Continued(Percent of production workers in establishments with formal provisions for paid vacations after selected periods of service, United States, selected regions, and textile centers,¹ August 1990)

Vacation policy	Greensboro- Winston- Salem- High Point, NC	Greenville- Spartanburg, SC	Hickory, NC	Maine and New Hampshire	North Carolina	South Carolina	Southern New England	Virginia
Amount of vacation pay³—Continued								
After 8 years of service:								
Under 2 weeks	23	-	16	-	9	-	6	3
2 weeks	77	93	59	82	83	97	88	94
Over 2 and under 3 weeks	-	4	8	-	5	1	6	-
3 weeks	-	3	9	-	1	1	-	-
Over 3 and under 4 weeks	-	-	7	18	(*)	-	-	-
4 weeks	-	-	-	-	-	-	-	2
Over 4 and under 5 weeks	-	-	-	-	-	-	-	-
After 10 years of service:								
Under 2 weeks	2	-	16	-	2	-	6	1
2 weeks	78	93	42	18	72	90	40	86
Over 2 and under 3 weeks	15	-	-	-	8	-	6	3
3 weeks	5	4	17	65	15	9	48	7
Over 3 and under 4 weeks	-	-	16	18	1	-	-	-
4 weeks	-	3	9	-	(*)	1	-	-
Over 4 and under 5 weeks	-	-	-	-	-	-	-	2
After 12 years of service:								
Under 3 weeks	80	90	58	18	71	88	46	64
3 weeks	20	7	17	65	26	11	54	34
Over 3 and under 4 weeks	-	-	8	18	1	-	-	-
4 weeks	-	3	17	-	1	1	-	-
Over 4 and under 5 weeks	-	-	-	-	-	-	-	2
After 15 years of service:								
Under 3 weeks	26	8	51	6	20	6	18	3
3 weeks	74	85	8	77	69	92	68	94
Over 3 and under 4 weeks	-	4	8	18	1	1	6	-
4 weeks	-	3	26	-	7	1	8	-
Over 4 and under 5 weeks	-	-	7	-	(*)	-	-	2
After 20 years of service:								
Under 3 weeks	26	-	51	6	17	3	18	3
3 weeks	71	93	8	12	70	84	12	94
Over 3 and under 4 weeks	-	4	-	18	1	1	-	-
4 weeks	2	3	26	65	8	11	70	-
Over 4 and under 5 weeks	-	-	8	-	(*)	-	-	2
5 weeks	-	-	7	-	(*)	-	-	-
Over 5 and under 6 weeks	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 25. Cotton and synthetic fiber textile plants: Paid vacations—Continued(Percent of production workers in establishments with formal provisions for paid vacations after selected periods of service, United States, selected regions, and textile centers,¹ August 1990)

Vacation policy	Greensboro- Winston- Salem- High Point, NC	Greenville- Spartanburg, SC	Hickory, NC	Maine and New Hampshire	North Carolina	South Carolina	Southern New England	Virginia
Amount of vacation pay³—Continued								
After 25 years of service:								
Under 3 weeks	26	-	51	6	17	3	18	3
3 weeks	23	62	-	12	32	41	5	50
Over 3 and under 4 weeks	-	4	-	18	1	1	-	-
4 weeks	51	33	24	65	47	54	77	44
Over 4 and under 5 weeks	-	-	8	-	(⁴)	-	-	2
5 weeks	-	-	9	-	(⁴)	-	-	-
Over 5 and under 6 weeks	-	-	-	-	-	-	-	-
6 weeks	-	-	7	-	(⁴)	-	-	-
After 30 years of service: ⁵								
Under 3 weeks	26	-	51	6	17	3	18	3
3 weeks	23	62	-	12	32	41	5	50
Over 3 and under 4 weeks	-	4	-	18	1	1	-	-
4 weeks	51	33	24	65	47	54	71	44
Over 4 and under 5 weeks	-	-	8	-	(⁴)	-	-	2
5 weeks	-	-	9	-	(⁴)	-	6	-
Over 5 and under 6 weeks	-	-	-	-	-	-	-	-
6 weeks	-	-	7	-	(⁴)	-	-	-

¹ For definitions of regions and areas, see appendix A, table A-1, footnote 1.² Includes data for regions in addition to those shown separately.³ Vacation payments, such as percent of annual earnings, were converted to an equivalent time basis. Periods of service were chosen arbitrarily and do not necessarily reflect individual establishment provisions for progression. For example, changes indicated at 8 years may include changes that occurred between 5

and 8 years.

⁴ Less than 0.5 percent.⁵ Vacation provisions were virtually the same after longer periods of service.

NOTE: Because of rounding, sums of individual items may not equal totals. Dashes indicate that no data were reported.

Table 26. Cotton and synthetic fiber textile plants: Health, insurance, and retirement plans

(Percent of production workers in establishments with specified health, insurance, and retirement plans,¹ United States, selected regions, and textile centers,² August 1990)

Type of plan	United States ³	Regions				Anderson, SC	Georgia
		New England	Middle Atlantic	Southeast	Southwest		
All workers	100	100	100	100	100	100	100
Workers in establishments offering:							
Life insurance	95	100	95	94	100	89	92
Noncontributory plans	67	100	95	65	90	53	67
Accidental death and dismemberment insurance	79	100	59	78	100	66	70
Noncontributory plans	55	100	59	53	90	38	50
Sickness and accident insurance or sick leave or both ⁴	81	89	60	81	80	68	85
Sickness and accident insurance	79	89	60	79	80	68	83
Noncontributory plans	55	89	45	54	70	33	57
Sick leave (full pay, no waiting period)	1	2	4	1	9	-	2
Sick leave (partial pay or waiting period)	1	-	-	1	-	-	-
Long-term disability insurance	6	9	20	6	31	-	6
Noncontributory plans	3	6	20	2	31	-	3
Hospitalization, surgical, and medical insurance	98	100	100	98	100	97	97
Noncontributory plans	34	19	75	33	78	35	21
Health maintenance organizations	3	34	33	1	-	-	1
Noncontributory plans	1	-	31	-	-	-	-
Dental care	64	36	25	66	100	84	66
Noncontributory plans	26	5	23	27	78	31	8
Vision care	5	5	44	4	10	-	1
Noncontributory plans	3	1	41	3	-	-	1
Hearing care	5	-	24	5	10	-	-
Noncontributory plans	4	-	24	4	-	-	-
Alcohol and drug abuse treatment plans	88	100	94	87	100	89	80
Noncontributory plans	33	19	75	32	78	35	21
Retirement plans ⁵	89	88	65	89	100	97	90
Pensions	77	88	40	78	70	91	75
Noncontributory plans	69	62	38	70	70	79	67
Lump sum	27	1	31	27	38	20	25
Noncontributory plans	11	-	6	12	-	7	11
Other retirement	1	-	-	1	-	6	3
Noncontributory plans	1	-	-	1	-	6	3

See footnotes at end of table.

Table 26. Cotton and synthetic fiber textile plants: Health, insurance, and retirement plans—Continued

(Percent of production workers in establishments with specified health, insurance, and retirement plans,¹ United States, selected regions, and textile centers,² August 1990)

Type of plan	Greensboro- Winston- Salem- High Point, NC	Greenville- Spartanburg, SC	Hickory, NC	Maine and New Hampshire	North Carolina	South Carolina	Southern New England	Virginia
All workers	100	100	100	100	100	100	100	100
Workers in establishments offering:								
Life insurance	100	94	100	100	94	94	100	100
Noncontributory plans	79	45	76	100	70	57	100	53
Accidental death and dismemberment insurance	92	64	100	100	82	82	100	72
Noncontributory plans	71	32	76	100	61	52	100	32
Sickness and accident insurance or sick leave or both ⁴	92	82	56	94	79	73	87	91
Sickness and accident insurance	92	79	56	94	79	73	87	90
Noncontributory plans	68	53	44	94	55	52	87	50
Sick leave (full pay, no waiting period)	2	3	-	-	(*)	1	3	-
Sick leave (partial pay or waiting period)	-	-	-	-	-	-	-	1
Long-term disability insurance	5	4	12	-	4	7	12	7
Noncontributory plans	5	4	-	-	1	1	8	-
Hospitalization, surgical, and medical insurance	100	100	100	100	96	99	100	100
Noncontributory plans	56	8	55	35	40	36	11	16
Health maintenance organizations	-	3	-	-	2	1	48	-
Noncontributory plans	-	-	-	-	-	-	-	-
Dental care	75	63	14	65	73	65	24	39
Noncontributory plans	44	8	14	-	37	33	6	-
Vision care	-	-	-	-	3	-	6	7
Noncontributory plans	-	-	-	-	3	-	-	-
Hearing care	15	-	-	-	5	1	-	16
Noncontributory plans	15	-	-	-	5	-	-	-
Alcohol and drug abuse treatment plans	97	69	76	100	90	83	100	100
Noncontributory plans	61	8	55	35	38	36	11	16
Retirement plans ⁵	95	100	86	94	91	88	85	100
Pensions	95	70	55	94	76	76	85	100
Noncontributory plans	90	59	55	30	73	66	74	71
Lump sum	-	47	38	-	32	20	-	16
Noncontributory plans	-	29	38	-	12	11	-	14
Other retirement	-	4	-	-	-	2	-	-
Noncontributory plans	-	4	-	-	-	2	-	-

¹ For definitions of benefits, see appendix A.

² For definitions of regions and areas, see appendix A, table A-1, footnote 1.

³ Includes data for regions in addition to those shown separately.

⁴ Unduplicated total of workers receiving sickness and accident insurance and sick leave shown separately.

⁵ Unduplicated total of workers covered by pension plans, lump sums, and other retirement plans shown separately.

⁶ Less than 0.5 percent.

NOTE: Dashes indicate that no data were reported.

Table 27. Cotton and synthetic fiber textile plants: Health plan participation

(Percent of production workers participating in specified health plans,¹ United States, selected regions, and textile centers,² August 1990)

Type of plan	United States ³	Regions				Anderson, SC	Georgia			
		New England	Middle Atlantic	Southeast	Southwest					
All workers	100	100	100	100	100	100	100			
Hospitalization, surgical, and medical insurance	91	74	88	91	99	95	91			
Noncontributory plans	34	18	66	33	78	35	20			
Health maintenance organizations	1	15	6	(⁴)	-	-	(⁴)			
Noncontributory plans	(⁴)	-	5	-	-	-	-			
Dental care	60	32	22	62	99	82	59			
Noncontributory plans	26	5	20	26	78	31	8			
Vision care	5	4	39	4	10	-	1			
Noncontributory plans	3	1	38	3	-	-	1			
Hearing care	5	-	20	5	10	-	-			
Noncontributory plans	4	-	20	4	-	-	-			
Alcohol and drug abuse care	83	89	88	82	99	86	75			
Noncontributory plans	33	19	71	32	78	35	20			
		Greensboro-Winston-Salem-High Point, NC	Greenville-Spartanburg, SC	Hickory, NC	Maine and New Hampshire	North Carolina	South Carolina	Southern New England	Virginia	
All workers	100	100	100	100	100	100	100	100	100	
Hospitalization, surgical, and medical insurance	99	88	96	96	91	92	64	90		
Noncontributory plans	56	8	54	35	40	36	10	16		
Health maintenance organizations	-	-	-	-	1	-	21	-		
Noncontributory plans	-	-	-	-	-	-	-	-		
Dental care	75	53	14	62	70	61	20	37		
Noncontributory plans	44	8	14	-	37	33	6	-		
Vision care	-	-	-	-	3	-	4	7		
Noncontributory plans	-	-	-	-	3	-	-	-		
Hearing care	15	-	-	-	5	1	-	16		
Noncontributory plans	15	-	-	-	5	-	-	-		
Alcohol and drug abuse care	96	59	74	96	87	76	85	98		
Noncontributory plans	61	8	54	35	38	36	11	16		

¹ For definitions of plans, see appendix A. Includes those plans for which the employer pays at least part of the cost. "Noncontributory plans" include only those financed entirely by the employer. Percentages of workers participating in some of these plans may exceed the percentages shown for the plans in table 26. Data in that table relate to workers in establishments where a majority of workers are covered by a plan. Data in this table include all participants, even

those from establishments providing coverage to a minority of workers.

² For definitions of regions and areas, see appendix A, table A-1, footnote 1.

³ Includes data for regions in addition to those shown separately.

⁴ Less than 0.5 percent.

NOTE: Dashes indicate that no data were reported.

Table 28. Cotton and synthetic fiber textile plants: Other selected benefits(Percent of production workers in establishments with formal provisions for selected benefits, ¹ United States, selected regions, and textile centers, ² August 1990)

Benefit	United States ²	Regions				Anderson, SC	Georgia
		New England	Middle Atlantic	Southeast	Southwest		
All workers	100	100	100	100	100	100	100
Workers in establishments with provisions for:							
Technological severance pay	18	5	3	19	-	17	6
Paid leave:							
Jury-duty leave	96	92	61	97	100	97	93
Funeral leave	94	95	84	94	80	97	92
Family care benefits ⁴	42	27	82	42	62	22	58
Maternity leave	41	27	82	40	62	22	55
Fully paid	(⁵)	-	-	(⁵)	-	-	-
Partially paid	7	-	33	6	44	-	14
Unpaid	34	27	49	34	18	22	41
Other benefits continued	41	27	78	40	62	22	55
Paternity leave	7	27	-	6	-	-	20
Combination of fully and partially paid	(⁵)	-	-	(⁵)	-	-	2
Unpaid	6	27	-	6	-	-	18
Other benefits continued	7	27	-	6	-	-	20
Childcare provisions ⁵	5	-	-	5	-	-	23
Assistance with child-care cost	(⁵)	-	-	(⁵)	-	-	-
Employee financed	(⁵)	-	-	(⁵)	-	-	-
information and referral services	4	-	-	4	-	-	23
Employer financed	4	-	-	4	-	-	21
Employee financed	(⁵)	-	-	(⁵)	-	-	2
Other child-care benefits	(⁵)	-	-	(⁵)	-	-	-
Employee financed	(⁵)	-	-	(⁵)	-	-	-

See footnotes at end of table.

Table 28. Cotton and synthetic fiber textile plants: Other selected benefits —Continued

(Percent of production workers in establishments with formal provisions for selected benefits,¹ United States, selected regions, and textile centers,² August 1990)

Benefit	Greensboro- Winston- Salem- High Point, NC	Greenville- Spartanburg, SC	Hickory, NC	Maine and New Hampshire	North Carolina	South Carolina	Southern New England	Virginia
All workers	100	100	100	100	100	100	100	100
Workers in establishments with provisions for:								
Technological severance pay	5	1	8	-	12	23	6	28
Paid leave:								
Jury-duty leave	97	100	84	94	99	99	91	93
Funeral leave	94	100	100	100	95	97	93	93
Family care benefits ⁴	39	7	13	94	36	28	-	24
Maternity leave	39	3	13	94	35	26	-	24
Fully paid	-	-	-	-	-	-	-	3
Partially paid	10	-	-	-	1	6	-	1
Unpaid	29	3	13	94	35	20	-	20
Other benefits continued	39	3	13	94	35	26	-	24
Paternity leave	-	-	-	94	2	1	-	7
Combination of fully and partially paid	-	-	-	-	-	-	-	-
Unpaid	-	-	-	94	2	1	-	7
Other benefits continued	-	-	-	94	2	1	-	7
Childcare provisions ⁶	-	4	-	-	1	1	-	-
Assistance with child-care cost	-	-	-	-	(⁵)	-	-	-
Employee financed	-	-	-	-	(⁵)	-	-	-
Information and referral services	-	-	-	-	-	(⁵)	-	-
Employer financed	-	-	-	-	-	(⁵)	-	-
Employee financed	-	-	-	-	-	-	-	-
Other child-care benefits	-	4	-	-	(⁵)	1	-	-
Employee financed	-	4	-	-	(⁵)	1	-	-

¹ For definitions of benefits, see appendix A.

² For definitions of regions and areas, see appendix A, table A-1, footnote 1.

³ Includes data for regions in addition to those shown separately.

⁴ Unduplicated total of workers provided maternity leave, paternity leave, and childcare shown separately.

⁵ Less than 0.5 percent.

⁶ Unduplicated total of workers provided assistance with childcare cost, information and referral services, and other childcare benefits shown separately.

NOTE: Dashes indicate that no data were reported.

Table 29. Wool fiber textile plants: Average hourly earnings by selected characteristics

(Number and average straight-time hourly earnings¹ of production workers by selected characteristics, United States and selected regions,² August 1990)

Characteristic	United States ³		New England		Southeast	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
All production workers	9,287	\$7.68	2,987	\$7.81	5,343	\$7.53
Type of area:						
Metropolitan areas ⁴	4,741	7.91	2,987	7.81	797	7.97
Nonmetropolitan areas	4,546	7.45	-	-	4,546	7.45
Size of establishment: ⁵						
50-249 workers	2,913	7.82	1,675	8.01	524	6.83
250 workers or more	6,374	7.62	1,312	7.55	4,819	7.60
Type of plant ⁶						
Integrated	6,580	7.72	2,560	7.90	-	-
Weaving	534	8.63	-	-	-	-
Yarn or thread	2,173	7.33	253	7.06	1,872	7.37
Principal fiber by weight:						
Wool-woolen yarn or fabric	5,789	7.74	2,351	7.82	2,481	7.51
Wool-worsted yarn or fabric	3,498	7.58	636	7.78	2,862	7.54
Principal fiber by content: ⁷						
Wool	3,818	7.69	1,075	8.18	2,247	7.35
Wool and synthetic fiber and silk	4,509	7.70	1,912	7.60	2,235	7.76
Labor-management contract coverage:						
Establishments with--						
Majority of workers covered	1,571	7.83	887	7.54	-	-
None or minority of workers covered	7,716	7.65	2,100	7.93	5,254	7.53

¹ Excludes premium pay for overtime and for work on weekends, holidays, and late shifts. Incentive payments, such as those resulting from piecework or production bonus systems, and cost-of-living pay increases (but not bonuses) were included as part of the workers' regular pay.

Excluded are performance bonuses and lump-sum payments of the type negotiated in the auto and aerospace industries, as well as profit-sharing payments, attendance bonuses, Christmas or yearend bonuses, and other nonproduction bonuses.

² For definition of regions, see appendix A, table A-1, footnote 1.

³ Includes data for regions in addition to those shown separately.

⁴ Metropolitan Statistical Areas as defined by the U.S. Office of Management and Budget through October 1984.

⁵ Includes only those plants with 50 workers or more at the time of reference of the universe data.

⁶ *Integrated plants* combine spinning and weaving processes within the same plant; *weaving plants* produce broadwoven fabric from purchased yarn or thread; *yarn or thread plants* process fibers into yarn or thread.

⁷ Data for workers by principal fiber by content not shown separately, but included in all production workers, did not meet publication criteria.

NOTE: Dashes indicate that no data were reported or data did not meet publication criteria.

Table 30. Wool fiber textile plants: Earnings distribution—All plants

(Percent distribution of production workers by straight-time hourly earnings,¹ United States, selected regions,² and textile centers, August 1990)

Hourly earnings	United States ³	Regions		Maine and New Hampshire	Massachusetts and Rhode Island	North Carolina and South Carolina
		New England	Southeast			
Number of workers	9,287	2,987	5,343	2,048	740	2,675
Average (mean) hourly earnings ¹	\$7.68	\$7.81	\$7.53	\$7.71	\$7.70	\$7.76
Median ¹	7.45	7.69	7.28	7.70	7.62	7.42
Middle range: ¹						
First quartile	6.85	7.20	6.82	7.20	6.85	6.82
Third quartile	8.28	8.40	8.11	8.24	8.07	8.41
Total	100.0	100.0	100.0	100.0	100.0	100.0
Under \$4.50 .....	.1	-	-	-	-	-
\$4.50 and under \$4.75	(*)	(*)	-	(*)	-	-
\$4.75 and under \$5.00 .....	.1	-	.1	-	-	.2
\$5.00 and under \$5.25 .....	.5	.1	.9	.1	-	.1
\$5.25 and under \$5.50 .....	.7	1.8	.1	1.6	2.8	.1
\$5.50 and under \$5.75 .....	.7	1.8	.2	2.0	1.9	.1
\$5.75 and under \$6.00	1.4	1.8	1.5	2.6	-	2.0
\$6.00 and under \$6.25	2.3	1.9	3.0	2.4	.8	3.9
\$6.25 and under \$6.50	3.8	2.5	5.1	2.7	2.4	1.2
\$6.50 and under \$6.75	7.5	3.1	11.4	2.4	5.3	8.0
\$6.75 and under \$7.00	10.6	6.0	14.7	3.9	13.2	16.5
\$7.00 and under \$7.25	10.2	8.0	11.5	8.6	8.1	11.8
\$7.25 and under \$7.50	13.4	8.5	15.8	10.2	5.4	10.3
\$7.50 and under \$7.75	10.4	19.0	6.7	17.2	28.4	9.5
\$7.75 and under \$8.00	6.1	10.8	2.7	13.6	5.9	3.6
\$8.00 and under \$8.25	6.0	7.3	3.1	8.9	2.7	3.7
\$8.25 and under \$8.50	4.3	5.0	3.6	6.0	.5	4.2
\$8.50 and under \$8.75	4.0	6.3	2.6	4.7	6.6	2.5
\$8.75 and under \$9.00	4.8	4.2	4.7	4.4	3.4	4.2
\$9.00 and under \$9.25	3.3	1.3	3.9	.8	2.3	6.1
\$9.25 and under \$9.50	1.6	2.4	1.0	3.1	.7	.7
\$9.50 and under \$9.75	2.4	2.4	2.4	1.8	1.1	2.3
\$9.75 and under \$10.00 .....	.9	1.4	.7	1.2	.9	.7
\$10.00 and under \$10.25	1.5	1.0	1.8	.4	2.2	3.1
\$10.25 and under \$10.50 .....	.9	1.2	.4	.1	4.2	.8
\$10.50 and under \$10.75 .....	.5	.7	.2	.8	.3	.5
\$10.75 and under \$11.00 .....	.6	.3	.8	.1	.7	1.5
\$11.00 and over	1.0	1.1	1.1	.3	.1	2.1

¹ Excludes premium pay for overtime and for work on weekends, holidays, and late shifts. Incentive payments, such as those resulting from piecework or production bonus systems, and cost-of-living pay increases (but not bonuses) were included as part of the workers' regular pay. Excluded are performance bonuses and lump-sum payments of the type negotiated in the auto and aerospace industries, as well as profit-sharing payments, attendance bonuses, Christmas or yearend bonuses, and other nonproduction bonuses. The mean was calculated by weighting each rate (or hourly earnings) by the number of workers receiving the rate, totaling, and dividing by the number of individuals. The median designates position; that is, one-half of the em-

ployees covered by the survey received more than this rate and one-half received less. The middle range is defined by two rates such that one-fourth of the employees earned less than the first quartile and one-fourth earned more than the third quartile.

² For definitions of regions see appendix A, table A-1, footnote 1.

³ Includes data for regions in addition to those shown separately.

⁴ Less than 0.05 percent.

NOTE: Because of rounding, sums of individual items may not equal 100. Dashes indicate that no data were reported.

Table 31. Wool fiber textile plants: Earnings distribution by type of plant¹

 (Percent distribution of production workers by straight-time hourly earnings,² United States and selected regions,³ August 1990)

Hourly earnings	United States ⁴			New England			Southeast		
	Inte-grated	Weaving	Yarn or thread	Inte-grated	Weaving	Yarn or thread	Inte-grated	Weaving	Yarn or thread
Number of workers	6,580	534	2,173	2,560	174	253	3,188	283	1,872
Average (mean) hourly earnings ²	\$7.72	\$8.63	\$7.33	\$7.90	\$7.60	\$7.06	\$7.45	\$9.46	\$7.37
Median ²	7.57	8.44	7.28	7.70	7.40	7.56	7.12	9.50	7.28
Middle range: ²									
First quartile	6.85	7.40	6.82	7.20	7.23	5.50	6.82	8.50	6.82
Third quartile	8.35	9.68	7.70	8.48	7.77	7.72	8.01	10.65	7.72
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Under \$4.50	-	1.3	-	-	-	-	-	-	-
\$4.50 and under \$4.75	-	.2	(⁵)	-	-	.4	-	-	-
\$4.75 and under \$5.00	(⁵)	.2	.1	-	-	-	.1	-	.2
\$5.00 and under \$5.25 .....	.7	-	.3	-	-	.8	1.4	-	.2
\$5.25 and under \$5.50 .....	.1	.4	2.6	-	-	20.9	.1	.4	.2
\$5.50 and under \$5.75 .....	.6	.9	1.2	1.3	-	8.3	.2	-	.2
\$5.75 and under \$6.00	1.1	.4	2.7	2.0	-	1.2	.7	-	3.0
\$6.00 and under \$6.25	1.7	1.5	4.5	2.0	-	2.0	1.9	2.8	4.9
\$6.25 and under \$6.50	4.7	1.7	1.6	2.9	-	-	7.2	2.8	1.9
\$6.50 and under \$6.75	7.4	-	10.0	3.5	-	1.6	12.4	-	11.4
\$6.75 and under \$7.00	10.7	-	13.1	6.9	-	1.2	16.0	-	14.7
\$7.00 and under \$7.25	10.1	9.2	11.0	7.5	25.3	1.6	12.9	1.4	10.8
\$7.25 and under \$7.50	10.7	13.1	21.6	6.6	40.2	5.5	12.2	-	24.1
\$7.50 and under \$7.75	11.4	3.0	9.5	18.4	8.0	32.8	7.2	.7	6.6
\$7.75 and under \$8.00	6.8	7.3	3.5	10.9	10.3	10.3	2.7	3.5	2.6
\$8.00 and under \$8.25	6.9	5.4	3.1	8.0	-	5.1	3.2	3.5	2.7
\$8.25 and under \$8.50	4.6	5.4	3.1	5.6	3.4	-	3.4	7.1	3.6
\$8.50 and under \$8.75	4.9	5.2	1.1	6.8	6.9	-	3.2	4.9	1.2
\$8.75 and under \$9.00	5.4	8.8	2.2	4.8	2.3	-	5.1	14.5	2.5
\$9.00 and under \$9.25	2.8	5.2	4.5	1.2	1.1	3.2	3.2	6.0	4.8
\$9.25 and under \$9.50	1.7	1.1	1.5	2.7	2.3	.4	.7	.7	1.7
\$9.50 and under \$9.75	2.7	4.9	1.1	2.5	-	3.2	2.8	8.8	.7
\$9.75 and under \$10.00	1.3	.4	.1	1.6	-	.4	1.1	-	.1
\$10.00 and under \$10.25	1.5	6.9	.2	1.2	-	-	1.7	13.1	.2
\$10.25 and under \$10.50 .....	.9	2.4	.6	1.3	-	.8	.2	2.5	.5
\$10.50 and under \$10.75 .....	.5	1.9	.1	.8	-	-	(⁵)	3.5	.1
\$10.75 and under \$11.00 .....	.2	7.5	.1	.4	-	.4	.1	14.1	.1
\$11.00 and over .....	.7	5.6	.8	1.2	-	-	.5	9.5	.9

¹ *Integrated plants* combine spinning and weaving processes within the same plant; *weaving plants* produce broadwoven fabric from purchased yarn or thread; *yarn or thread plants* process fibers into yarn or thread.

² Excludes premium pay for overtime and for work on weekends, holidays, and late shifts. Incentive payments, such as those resulting from piecework or production bonus systems, and cost-of-living pay increases (but not bonuses) were included as part of the workers' regular pay. Excluded are performance bonuses and lump-sum payments of the type negotiated in the auto and aerospace industries, as well as profit-sharing payments, attendance bonuses, Christmas or yearend bonuses, and other nonproduction bonuses. The mean was calculated by weighting each rate (or hourly earnings) by the number of workers receiving the rate, to-

taling, and dividing by the number of individuals. The median designates position; that is, one-half of the employees covered by the survey received more than this rate and one-half received less. The middle range is defined by two rates such that one-fourth of the employees earned less than the first quartile and one-fourth earned more than the third quartile.

³ For definitions of regions see appendix A, table A-1, footnote 1.

⁴ Includes data for regions in addition to those shown separately.

⁵ Less than 0.05 percent.

NOTE: Because of rounding, sums of individual items may not equal 100. Dashes indicate that no data were reported.

Table 32. Wool fiber textile plants: Occupational averages—All plants

(Number and average straight-time hourly earnings¹ of workers in selected occupations, United States and selected regions,² August 1990)

Occupation ³	United States ⁴		New England		Southeast	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Selected woolen occupations						
Carding and drawing						
Card grinders	15	\$7.92	-	-	-	-
Card operators (finishers)	206	7.61	114	\$7.59	-	-
Card strippers	87	7.52	47	7.67	-	-
Roving operators	21	7.11	18	7.31	-	-
Spinning						
Doffers	35	6.89	35	6.89	-	-
Section fixers	92	8.79	48	8.97	33	\$8.57
Spinners	516	7.76	202	8.12	216	7.24
Yarn-dyeing-machine operators	23	7.32	12	7.12	-	-
Spooling, winding, and twisting						
Twister operators	118	7.15	43	7.49	63	6.81
Yarn winders	258	7.12	134	7.38	97	6.60
Warping						
Warper operators	66	8.28	41	8.29	-	-
Slow speed	45	8.22	22	8.10	-	-
High speed	21	8.41	19	8.51	-	-
Weaving						
Cloth doffers	14	6.73	-	-	-	-
Drawing-in-machine operators	42	7.79	32	7.83	-	-
Tying-in-machine operators	33	8.17	22	8.04	-	-
Weavers, shuttle looms	40	8.92	-	-	-	-
Dobby looms	36	8.86	-	-	-	-
Weavers, shuttleless looms	309	8.80	146	8.62	-	-
Rapier	124	8.47	96	8.42	-	-
Projectile (Sulzer)	150	8.80	50	9.01	-	-
Cloth room						
Cloth-dyeing-machine operators	87	7.51	27	7.77	-	-
Cloth inspectors, machine	210	7.61	67	7.68	-	-
Cloth menders	225	7.61	132	7.96	-	-
Fuller operators	133	7.59	81	7.56	-	-

See footnotes at end of table.

Table 32. Wool fiber textile plants: Occupational averages—All plants—Continued

 (Number and average straight-time hourly earnings¹ of workers in selected occupations, United States and selected regions,² August 1990)

Occupation ³	United States ⁴		New England		Southeast	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Selected worsted occupations						
Carding and drawing						
Comber operators	14	\$6.75	-	-	-	-
Pin drafter operators	140	7.10	15	\$6.52	125	\$7.17
Roving operators	41	7.36	8	6.16	-	-
Spinning						
Doffers	57	7.64	-	-	-	-
Section fixers	61	8.88	9	8.11	52	9.02
Spinners	341	7.30	45	6.27	296	7.46
Yarn-dyeing-machine operators	25	7.34	-	-	-	-
Spooling, winding, and twisting						
Twister operators	202	6.99	20	6.17	-	-
Yarn winders	158	7.22	38	5.93	120	7.62
Warping						
Warper operators	47	7.53	-	-	-	-
High speed	44	7.59	-	-	-	-
Cloth room						
Cloth menders	184	7.30	-	-	-	-
Selected woolen and worsted occupations						
Maintenance and miscellaneous						
Battery operators	36	7.83	21	7.88	-	-
Carpenters	17	9.13	10	8.99	-	-
Electricians	45	10.34	21	9.85	20	10.92
General maintenance workers	77	8.40	27	8.64	-	-
Handtruck operators	42	7.31	42	7.31	-	-
Janitors, porters, or cleaners	56	6.54	19	6.85	28	6.07
Machinists	29	9.77	12	9.63	-	-
Mechanics	33	9.84	14	9.57	14	10.63
Powertruck operators	78	6.96	8	7.06	68	6.89
Forklift	78	6.96	8	7.06	68	6.89
Shuttleless loom fixers	180	9.50	66	9.25	85	9.81

¹ Excludes premium pay for overtime and for work on weekends, holidays, and late shifts. Incentive payments, such as those resulting from piecework or production bonus systems, and cost-of-living pay increases (but not bonuses) were included as part of the workers' regular pay. Excluded are performance bonuses and lump-sum payments of the type negotiated in the auto and aerospace industries, as well as profit-sharing payments, attendance bonuses, Christmas or yearend bonuses, and other nonproduction bonuses.

² For definition of regions, see appendix A, table A-1, footnote 1.

³ Data for overall occupation may include data for subclassifications not shown separately.

⁴ Includes data for regions in addition to those shown separately.

NOTE: Dashes indicate that no data were reported or data did not meet publication criteria.

Table 33. Wool fiber textile plants: Occupational averages by type of area

(Number and average straight-time hourly earnings¹ of workers in selected occupations, United States and selected regions,² August 1990)

Occupation ³	United States ⁴				New England		Southeast			
	Metropolitan areas ⁵		Nonmetropolitan areas		Metropolitan areas ⁵		Metropolitan areas ⁵		Nonmetropolitan areas	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Selected woolen occupations										
Carding and drawing										
Card grinders	13	\$7.71	-	-	-	-	-	-	-	-
Card operators (finishers)	167	7.67	-	-	114	\$7.59	-	-	-	-
Card strippers	63	7.75	-	-	47	7.67	-	-	-	-
Roving operators	21	7.11	-	-	18	7.31	-	-	-	-
Spinning										
Doffers	35	6.89	-	-	35	6.89	-	-	-	-
Section fixers	66	8.74	26	\$8.89	48	8.97	-	-	26	\$8.89
Spinners	329	7.98	187	7.37	202	8.12	-	-	187	7.37
Yarn-dyeing-machine operators	19	7.45	-	-	12	7.12	-	-	-	-
Spooling, winding, and twisting										
Twister operators	92	7.11	-	-	43	7.49	37	\$6.46	-	-
Yarn winders	185	7.28	-	-	134	7.38	-	-	-	-
Warping										
Warper operators	63	8.34	-	-	41	8.29	-	-	-	-
Slow speed	44	8.26	-	-	22	8.10	-	-	-	-
High speed	19	8.51	-	-	19	8.51	-	-	-	-
Weaving										
Drawing-in-machine operators	40	7.78	-	-	32	7.83	-	-	-	-
Tying-in-machine operators	25	8.16	-	-	22	8.04	-	-	-	-
Weavers, shuttle looms	40	8.92	-	-	-	-	-	-	-	-
Dobby looms	36	8.86	-	-	-	-	-	-	-	-
Weavers, shuttleless looms	213	8.87	-	-	146	8.62	-	-	-	-
Rapier	116	8.47	-	-	96	8.42	-	-	-	-
Projectile (Sulzer)	62	9.00	-	-	50	9.01	-	-	-	-
Cloth room										
Cloth-dyeing-machine operators	47	7.81	-	-	27	7.77	-	-	-	-
Cloth inspectors, machine	120	7.87	-	-	67	7.68	-	-	-	-
Cloth menders	147	7.98	-	-	132	7.96	-	-	-	-
Fuller operators	109	7.64	-	-	81	7.56	-	-	-	-

See footnotes at end of table.

Table 33. Wool fiber textile plants: Occupational averages by type of area—Continued

(Number and average straight-time hourly earnings¹ of workers in selected occupations, United States and selected regions,² August 1990)

Occupation ³	United States ⁴				New England		Southeast			
	Metropolitan areas ⁵		Nonmetropolitan areas		Metropolitan areas ⁵		Metropolitan areas ⁵		Nonmetropolitan areas	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Selected worsted occupations										
Carding and drawing										
Pin drafter operators	18	\$6.45	122	\$7.20	15	\$6.52	-	-	122	\$7.20
Roving operators	8	6.16	-	-	8	6.16	-	-	-	-
Spinning										
Section fixers	9	8.11	52	9.02	9	8.11	-	-	52	9.02
Spinners	45	6.27	296	7.46	45	6.27	-	-	296	7.46
Spooling, winding, and twisting										
Twister operators	20	6.17	-	-	20	6.17	-	-	-	-
Yarn winders	42	6.01	116	7.65	38	5.93	-	-	116	7.65
Selected woolen and worsted occupations										
Maintenance and miscellaneous										
Battery operators	29	8.16	-	-	21	7.88	-	-	-	-
Carpenters	15	9.14	-	-	10	8.99	-	-	-	-
Electricians	36	10.28	9	10.58	21	9.85	11	\$11.20	9	10.58
General maintenance workers	68	8.42	-	-	27	8.64	-	-	-	-
Handtruck operators	42	7.31	-	-	42	7.31	-	-	-	-
Janitors, porters, or cleaners	39	6.75	17	6.05	19	6.85	-	-	17	6.05
Machinists	18	9.88	-	-	12	9.63	-	-	-	-
Mechanics	24	9.63	9	10.40	14	9.57	-	-	9	10.40
Powertruck operators	32	7.33	46	6.70	8	7.06	-	-	46	6.70
Forklift	32	7.33	46	6.70	8	7.06	-	-	46	6.70
Shuttleless loom fixers	95	9.22	85	9.81	66	9.25	-	-	85	9.81

¹ Excludes premium pay for overtime and for work on weekends, holidays, and late shifts. Incentive payments, such as those resulting from piecework or production bonus systems, and cost-of-living pay increases (but not bonuses) were included as part of the workers' regular pay. Excluded are performance bonuses and lump-sum payments of the type negotiated in the auto and aerospace industries, as well as profit-sharing payments, attendance bonuses, Christmas or yearend bonuses, and other nonproduction bonuses.

² For definition of regions, see appendix A, table A-1, footnote 1.

³ Data for overall occupation may include data for subclassifications not shown separately.

⁴ Includes data for regions in addition to those shown separately.

⁵ Metropolitan Statistical Areas as defined by the U.S. Office of Management and Budget through October 1984.

NOTE: Dashes indicate that no data were reported or data did not meet publication criteria.

Table 34. Wool fiber textile plants: Occupational averages by size of plant¹

(Number and average straight-time hourly earnings² of workers in selected occupations, United States and selected regions,³ August 1990)

Occupation ⁴	United States ⁵				New England				Southeast			
	50-249 workers		250 workers or more		50-249 workers		250 workers or more		50-249 workers		250 workers or more	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Selected woolen occupations												
Carding and drawing												
Card grinders	10	\$7.71	-	-	-	-	-	-	-	-	-	-
Card operators (finishers)	95	7.77	111	\$7.47	49	\$7.71	65	\$7.49	-	-	-	-
Card strippers	42	7.94	45	7.13	28	7.95	19	7.27	-	-	-	-
Roving operators	11	7.16	-	-	8	7.64	-	-	-	-	-	-
Spinning												
Doffers	25	7.32	-	-	25	7.32	-	-	-	-	-	-
Section fixers	43	8.91	49	8.67	32	9.33	16	8.25	-	-	26	\$8.89
Spinners	209	7.99	307	7.60	103	8.31	99	7.92	-	-	187	7.37
Yarn-dyeing-machine operators	7	7.87	16	7.09	-	-	-	-	-	-	-	-
Spooling, winding, and twisting												
Twister operators	80	7.03	-	-	41	7.53	-	-	-	-	-	-
Yarn winders	109	7.36	149	6.94	58	7.67	76	7.16	-	-	-	-
Warping												
Warper operators	43	8.24	23	8.35	28	8.30	13	8.26	-	-	-	-
Slow speed	33	8.21	12	8.25	20	8.19	-	-	-	-	-	-
High speed	10	8.36	11	8.46	-	-	11	8.46	-	-	-	-
Weaving												
Drawing-in-machine operators	30	7.99	12	7.31	22	8.15	10	7.12	-	-	-	-
Tying-in-machine operators	-	-	27	7.79	-	-	18	7.47	-	-	-	-
Weavers, shuttle looms	28	8.18	-	-	-	-	-	-	-	-	-	-
Dobby looms	24	7.99	-	-	-	-	-	-	-	-	-	-
Weavers, shuttleless looms	122	8.72	187	8.85	88	8.68	58	8.52	-	-	-	-
Rapier	88	8.47	36	8.46	68	8.41	28	8.43	-	-	-	-
Projectile (Sulzer)	32	9.37	-	-	-	-	-	-	-	-	-	-
Cloth room												
Cloth-dyeing-machine operators	49	7.60	-	-	23	7.80	-	-	-	-	-	-
Cloth inspectors, machine	86	7.80	-	-	44	7.92	23	7.21	-	-	-	-
Cloth menders	112	7.88	-	-	107	7.87	-	-	-	-	-	-
Fuller operators	85	7.67	48	7.44	62	7.63	19	7.35	-	-	-	-

See footnotes at end of table.

Table 34. Wool fiber textile plants: Occupational averages by size of plant¹—Continued

(Number and average straight-time hourly earnings² of workers in selected occupations, United States and selected regions,³ August 1990)

Occupation ⁴	United States ⁵				New England				Southeast			
	50-249 workers		250 workers or more		50-249 workers		250 workers or more		50-249 workers		250 workers or more	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Selected worsted occupations												
Carding and drawing												
Comber operators	-	-	14	\$6.75	-	-	-	-	-	-	-	-
Pin drafter operators	11	\$6.38	129	7.16	8	\$6.49	-	-	-	-	122	\$7.20
Roving operators	-	-	37	7.57	-	-	-	-	-	-	-	-
Spinning												
Section fixers	-	-	57	9.03	-	-	-	-	-	-	52	9.02
Spinners	-	-	323	7.41	-	-	-	-	-	-	296	7.46
Yarn-dyeing-machine operators	-	-	25	7.34	-	-	-	-	-	-	-	-
Spooling, winding, and twisting												
Yarn winders	-	-	134	7.54	-	-	-	-	-	-	120	7.62
Warping												
Warper operators	-	-	47	7.53	-	-	-	-	-	-	-	-
High speed	-	-	44	7.59	-	-	-	-	-	-	-	-
Cloth room												
Cloth menders	-	-	184	7.30	-	-	-	-	-	-	-	-
Selected woolen and worsted occupations												
Maintenance and miscellaneous												
Battery operators	17	8.57	19	7.16	-	-	12	\$7.58	-	-	-	-
Carpenters	9	9.13	8	9.13	-	-	-	-	-	-	17	11.22
Electricians	19	10.28	26	10.38	14	10.60	7	8.35	-	-	-	-
General maintenance workers	68	8.33	-	-	19	8.48	-	-	-	-	-	-
Handtruck operators	19	7.73	-	-	19	7.73	-	-	-	-	-	-
Janitors, porters, or cleaners	23	6.70	33	6.43	9	7.08	10	6.64	7	\$5.67	21	6.20
Machinists	12	9.93	-	-	9	10.03	-	-	-	-	-	-
Mechanics	21	9.15	12	11.04	12	9.58	-	-	-	-	10	11.34
Powertruck operators	-	-	62	6.94	-	-	-	-	-	-	55	6.92
Forklift	-	-	62	6.94	-	-	-	-	-	-	55	6.92
Shuttleless loom fixers	61	9.27	119	9.62	29	9.48	37	9.06	-	-	-	-

¹ Includes only those plants with 50 workers or more at the time of reference of the universe data.

² Excludes premium pay for overtime and for work on weekends, holidays, and late shifts. Incentive payments, such as those resulting from piecework or production bonus systems, and cost-of-living pay increases (but not bonuses) were included as part of the workers' regular pay. Excluded are performance bonuses and lump-sum payments of the type negotiated in the auto and aerospace industries, as well as profit-sharing payments, attendance bonuses,

Christmas or yearend bonuses, and other nonproduction bonuses.

³ For definition of regions, see appendix A, table A-1, footnote 1.

⁴ Data for overall occupation may include data for subclassifications not shown separately.

⁵ Includes data for regions in addition to those shown separately.

NOTE: Dashes indicate that no data were reported or data did not meet publication criteria.

Table 35. Wool fiber textile plants: Occupational averages by type of plant¹

(Number and average straight-time hourly earnings² of workers in selected occupations, United States and selected regions,³ August 1990)

Occupation ⁴	United States ⁵						New England				Southeast	
	Integrated		Weaving		Yarn or thread		Integrated		Yarn or thread		Yarn or thread	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Selected woolen occupations												
Carding and drawing												
Card grinders	-	-	-	-	7	\$7.93	-	-	-	-	-	-
Card operators (finishers)	177	\$7.61	-	-	26	7.56	111	\$7.59	-	-	-	-
Card strippers	74	7.55	-	-	12	7.28	45	7.68	-	-	-	-
Roving operators	-	-	-	-	9	7.07	-	-	-	-	-	-
Spinning												
Doffers	18	6.31	-	-	-	-	18	6.31	-	-	-	-
Section fixers	61	8.67	-	-	31	9.01	35	8.71	-	-	18	\$8.53
Spinners	321	8.05	-	-	181	7.22	167	8.21	35	\$7.70	132	7.11
Yarn-dyeing-machine operators	17	7.47	-	-	-	-	12	7.12	-	-	-	-
Spooling, winding, and twisting												
Twister operators	23	7.64	-	-	79	6.93	13	7.47	-	-	53	6.64
Yarn winders	176	7.19	-	-	81	6.99	108	7.28	26	7.78	49	6.55
Warping												
Warper operators	50	8.42	15	\$7.86	-	-	34	8.23	-	-	-	-
Slow speed	31	8.37	13	7.91	-	-	15	7.88	-	-	-	-
High speed	19	8.51	-	-	-	-	19	8.51	-	-	-	-
Weaving												
Drawing-in-machine operators	36	7.83	-	-	-	-	28	7.89	-	-	-	-
Tying-in-machine operators	30	8.08	-	-	-	-	22	8.04	-	-	-	-
Weavers, shuttle looms	14	8.67	-	-	-	-	-	-	-	-	-	-
Weavers, shuttleless looms	251	8.71	58	9.20	-	-	132	8.71	-	-	-	-
Rapier	99	8.55	25	8.15	-	-	82	8.53	-	-	-	-
Projectile (Sulzer)	150	8.80	-	-	-	-	50	9.01	-	-	-	-
Cloth room												
Cloth-dyeing-machine operators	79	7.63	-	-	-	-	25	7.81	-	-	-	-
Cloth inspectors, machine	191	7.54	19	8.35	-	-	61	7.72	-	-	-	-
Cloth menders	215	7.62	-	-	-	-	124	8.00	-	-	-	-
Fuller operators	129	7.60	-	-	-	-	77	7.57	-	-	-	-

See footnotes at end of table.

Table 35. Wool fiber textile plants: Occupational averages by type of plant¹—Continued

(Number and average straight-time hourly earnings² of workers in selected occupations, United States and selected regions,³ August 1990)

Occupation ⁴	United States ⁵						New England				Southeast	
	Integrated		Weaving		Yarn or thread		Integrated		Yarn or thread		Yarn or thread	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Selected worsted occupations												
Carding and drawing												
Pin drafter operators	112	\$7.18	-	-	-	-	-	-	8	\$6.49	-	-
Spinning												
Section fixers	36	9.13	-	-	-	-	-	-	-	-	-	-
Spinners	218	7.26	-	-	-	-	-	-	-	-	-	-
Spooling, winding, and twisting												
Yarn winders	91	7.50	-	-	67	\$6.84	-	-	-	-	-	-
Warping												
Warper operators	47	7.53	-	-	-	-	-	-	-	-	-	-
High speed	44	7.59	-	-	-	-	-	-	-	-	-	-
Cloth room												
Cloth menders	184	7.30	-	-	-	-	-	-	-	-	-	-
Selected woolen and worsted occupations												
Maintenance and miscellaneous												
Battery operators	36	7.83	-	-	-	-	21	\$7.88	-	-	-	-
Carpenters	15	9.00	-	-	-	-	10	8.99	-	-	-	-
Electricians	30	10.09	6	\$11.57	-	-	19	9.91	-	-	-	-
General maintenance workers	52	8.47	-	-	-	-	17	8.65	-	-	-	-
Handtruck operators	35	7.27	-	-	7	7.46	35	7.27	7	7.46	-	-
Janitors, porters, or cleaners	31	6.76	-	-	15	5.96	15	6.90	-	-	13	\$5.91
Machinists	23	9.61	-	-	-	-	10	9.69	-	-	-	-
Mechanics	18	9.55	-	-	12	9.64	12	9.59	-	-	8	9.82
Powertruck operators	40	6.88	-	-	34	6.85	8	7.06	-	-	34	6.85
Forklift	40	6.88	-	-	34	6.85	8	7.06	-	-	34	6.85
Shuttleless loom fixers	166	9.53	14	9.16	-	-	62	9.33	-	-	-	-

¹ *Integrated plants* combine spinning and weaving processes within the same plant; *weaving plants* produce broadwoven fabric from purchased yarn or thread; *yarn or thread plants* process fibers into yarn or thread.

² Excludes premium pay for overtime and for work on weekends, holidays, and late shifts. Incentive payments, such as those resulting from piecework or production bonus systems, and cost-of-living pay increases (but not bonuses) were included as part of the workers' regular pay. Excluded are performance bonuses and lump-sum payments of the type negotiated in the auto and aero-

space industries, as well as profit-sharing payments, attendance bonuses, Christmas or yearend bonuses, and other nonproduction bonuses.

³ For definition of regions, see appendix A, table A-1, footnote 1.

⁴ Data for overall occupation may include data for subclassifications not shown separately.

⁵ Includes data for regions in addition to those shown separately.

NOTE: Dashes indicate that no data were reported or data did not meet publication criteria.

Table 36. Wool fiber textile plants: Occupational averages by labor-management contract coverage

(Number and average straight-time hourly earnings¹ of workers in selected occupations, United States and selected regions,² August 1990)

Occupation ³	United States ⁴				New England				Southeast	
	Majority of workers covered		None or minority of workers covered		Majority of workers covered		None or minority of workers covered		None or minority of workers covered	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Selected woolen occupations										
Carding and drawing										
Card grinders	-	-	8	\$7.77	-	-	-	-	-	-
Card operators (finishers)	62	\$7.79	144	7.53	-	-	79	\$7.64	-	-
Card strippers	24	7.88	63	7.38	14	\$7.63	33	7.69	-	-
Roving operators	15	7.37	6	6.45	15	7.37	-	-	-	-
Spinning										
Doffers	-	-	18	6.31	-	-	18	6.31	-	-
Section fixers	21	8.45	71	8.88	12	8.33	36	9.18	31	\$8.61
Spinners	137	8.02	379	7.66	73	7.95	129	8.22	205	7.25
Yarn-dyeing-machine operators	10	7.89	13	6.89	-	-	9	6.97	-	-
Spooling, winding, and twisting										
Twister operators	27	7.50	91	7.05	19	7.40	-	-	59	6.82
Yarn winders	83	7.53	175	6.93	69	7.42	65	7.33	92	6.58
Warping										
Warper operators	31	8.27	35	8.29	19	8.12	22	8.43	-	-
Slow speed	24	8.41	21	8.00	12	8.30	10	7.85	-	-
High speed	-	-	14	8.71	-	-	12	8.91	-	-
Weaving										
Drawing-in-machine operators	18	7.71	24	7.85	16	7.65	16	8.00	-	-
Tying-in-machine operators	-	-	24	8.27	-	-	15	8.16	-	-
Weavers, shuttle looms	-	-	36	8.86	-	-	-	-	-	-
Dobby looms	-	-	36	8.86	-	-	-	-	-	-
Weavers, shuttleless looms	72	8.47	237	8.90	56	8.40	90	8.76	-	-
Rapier	51	8.46	73	8.48	37	8.40	59	8.43	-	-
Projectile (Sulzer)	-	-	-	-	-	-	31	9.38	-	-
Cloth room										
Cloth-dyeing-machine operators	22	7.60	65	7.48	9	7.51	18	7.91	-	-
Cloth inspectors, machine	47	7.69	163	7.59	19	7.55	48	7.73	-	-
Cloth menders	53	7.74	172	7.57	38	7.57	94	8.12	-	-
Fuller operators	39	7.54	94	7.61	19	7.45	62	7.60	-	-

See footnotes at end of table.

Table 36. Wool fiber textile plants: Occupational averages by labor-management contract coverage—Continued

(Number and average straight-time hourly earnings¹ of workers in selected occupations, United States and selected regions,² August 1990)

Occupation ³	United States ⁴				New England				Southeast	
	Majority of workers covered		None or minority of workers covered		Majority of workers covered		None or minority of workers covered		None or minority of workers covered	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Selected worsted occupations										
Carding and drawing										
Comber operators	-	-	14	\$6.75	-	-	-	-	-	-
Pin drafter operators	-	-	137	7.13	-	-	12	\$6.74	125	\$7.17
Roving operators	-	-	40	7.41	-	-	-	-	-	-
Spinning										
Section fixers	-	-	58	9.04	-	-	-	-	52	9.02
Spinners	-	-	328	7.38	-	-	-	-	296	7.46
Yarn-dyeing-machine operators	-	-	25	7.34	-	-	-	-	-	-
Spooling, winding, and twisting										
Twister operators	-	-	194	7.05	-	-	-	-	-	-
Yarn winders	-	-	142	7.42	-	-	-	-	120	7.62
Warping										
Warper operators	-	-	47	7.53	-	-	-	-	-	-
High speed	-	-	44	7.59	-	-	-	-	-	-
Cloth room										
Cloth menders	-	-	184	7.30	-	-	-	-	-	-
Selected woolen and worsted occupations										
Maintenance and miscellaneous										
Battery operators	-	-	33	7.62	-	-	21	7.88	-	-
Carpenters	-	-	15	9.01	-	-	9	9.02	-	-
Electricians	10	\$9.04	35	10.71	7	\$8.61	14	10.47	19	11.00
General maintenance workers	39	8.67	38	8.12	-	-	14	8.85	-	-
Handtruck operators	27	7.24	15	7.42	27	7.24	15	7.42	-	-
Janitors, porters, or cleaners	15	7.06	41	6.35	8	6.98	11	6.75	27	6.07
Machinists	-	-	24	9.90	-	-	8	10.01	-	-
Mechanics	-	-	28	10.13	-	-	10	10.13	13	10.82
Powertruck operators	7	7.75	71	6.88	-	-	-	-	67	6.88
Forklift	7	7.75	71	6.88	-	-	-	-	67	6.88
Shuttleless loom fixers	33	9.14	147	9.58	20	8.50	46	9.57	85	9.81

¹ Excludes premium pay for overtime and for work on weekends, holidays, and late shifts. Incentive payments, such as those resulting from piecework or production bonus systems, and cost-of-living pay increases (but not bonuses) were included as part of the workers' regular pay. Excluded are performance bonuses and lump-sum payments of the type negotiated in the auto and aerospace industries, as well as profit-sharing payments, attendance bonuses, Christmas or yearend bonuses, and other nonproduction bonuses.

² For definition of regions, see appendix A, table A-1, footnote 1.

³ Data for overall occupation may include data for subclassifications not shown separately.

⁴ Includes data for regions in addition to those shown separately.

NOTE: Dashes indicate that no data were reported or data did not meet publication criteria.

Table 37. Wool fiber textile plants: Occupational averages by method of wage payment

(Number and average straight-time hourly earnings¹ of workers in selected occupations, United States and selected regions,² August 1990)

Occupation ³	United States ⁴				New England				Southeast			
	Timeworkers		Incentive workers		Timeworkers		Incentive workers		Timeworkers		Incentive workers	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Selected woolen occupations												
Carding and drawing												
Card grinders	13	\$8.02	-	-	-	-	-	-	-	-	-	-
Card operators (finishers)	182	7.63	24	\$7.43	103	\$7.73	-	-	-	-	-	-
Card strippers	80	7.62	-	-	40	7.91	-	-	-	-	-	-
Roving operators	16	7.03	-	-	-	-	-	-	-	-	-	-
Spinning												
Doffers	13	7.28	-	-	13	7.28	-	-	-	-	-	-
Section fixers	83	8.73	-	-	40	8.90	-	-	33	\$8.57	-	-
Spinners	267	7.63	249	7.89	91	7.94	111	\$8.26	123	7.10	-	-
Yarn-dyeing-machine operators	23	7.32	-	-	12	7.12	-	-	-	-	-	-
Spooling, winding, and twisting												
Twister operators	88	7.10	-	-	39	7.51	-	-	37	6.46	-	-
Yarn winders	202	7.11	56	7.15	117	7.40	-	-	-	-	-	-
Warping												
Warper operators	54	8.17	12	8.80	34	8.28	-	-	-	-	-	-
Slow speed	33	8.01	12	8.80	15	7.98	-	-	-	-	-	-
High speed	21	8.41	-	-	19	8.51	-	-	-	-	-	-
Weaving												
Drawing-in-machine operators	39	7.90	-	-	29	7.98	-	-	-	-	-	-
Tying-in-machine operators	23	8.19	-	-	12	7.97	-	-	-	-	-	-
Weavers, shuttle looms	-	-	31	9.02	-	-	-	-	-	-	-	-
Dobby looms	-	-	31	9.02	-	-	-	-	-	-	-	-
Weavers, shuttleless looms	121	8.94	188	8.71	70	8.52	76	8.72	-	-	-	-
Rapier	75	8.46	49	8.49	59	8.43	37	8.39	-	-	-	-
Projectile (Sulzer)	-	-	-	-	-	-	39	9.03	-	-	-	-
Cloth room												
Cloth-dyeing-machine operators	84	7.46	-	-	27	7.77	-	-	-	-	-	-
Cloth inspectors, machine	208	7.60	-	-	67	7.68	-	-	-	-	-	-
Cloth menders	106	7.91	-	-	96	7.88	-	-	-	-	-	-
Fuller operators	128	7.54	-	-	81	7.56	-	-	-	-	-	-

See footnotes at end of table.

Table 37. Wool fiber textile plants: Occupational averages by method of wage payment—Continued

(Number and average straight-time hourly earnings¹ of workers in selected occupations, United States and selected regions,² August 1990)

Occupation ³	United States ⁴				New England				Southeast			
	Timeworkers		Incentive workers		Timeworkers		Incentive workers		Timeworkers		Incentive workers	
	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings	Number of workers	Average hourly earnings
Selected worsted occupations												
Carding and drawing												
Pin drafter operators	123	\$7.11	-	-	15	\$6.52	-	-	108	\$7.19	-	-
Roving operators	-	-	-	-	8	6.16	-	-	-	-	-	-
Spinning												
Section fixers	61	8.88	-	-	9	8.11	-	-	52	9.02	-	-
Spinners	-	-	218	\$7.69	45	6.27	-	-	-	-	218	\$7.69
Yarn-dyeing-machine operators	25	7.34	-	-	-	-	-	-	-	-	-	-
Spooling, winding, and twisting												
Twister operators	96	6.64	-	-	20	6.17	-	-	-	-	-	-
Yarn winders	42	6.01	116	7.65	38	5.93	-	-	-	-	116	7.65
Warping												
Warper operators	47	7.53	-	-	-	-	-	-	-	-	-	-
High speed	44	7.59	-	-	-	-	-	-	-	-	-	-
Selected woolen and worsted occupations												
Maintenance and miscellaneous												
Battery operators	28	7.96	-	-	16	8.34	-	-	-	-	-	-
Carpenters	17	9.13	-	-	10	8.99	-	-	-	-	-	-
Electricians	45	10.34	-	-	21	9.85	-	-	20	10.92	-	-
General maintenance workers	74	8.38	-	-	27	8.64	-	-	-	-	-	-
Handtruck operators	42	7.31	-	-	42	7.31	-	-	-	-	-	-
Janitors, porters, or cleaners	56	6.54	-	-	19	6.85	-	-	28	6.07	-	-
Machinists	29	9.77	-	-	12	9.63	-	-	-	-	-	-
Mechanics	33	9.84	-	-	14	9.57	-	-	14	10.63	-	-
Powertruck operators	78	6.96	-	-	8	7.06	-	-	68	6.89	-	-
Forklift	78	6.96	-	-	8	7.06	-	-	68	6.89	-	-
Shuttleless loom fixers	177	9.50	-	-	66	9.25	-	-	85	9.81	-	-

¹ Excludes premium pay for overtime and for work on weekends, holidays, and late shifts. Incentive payments, such as those resulting from piecework or production bonus systems, and cost-of-living pay increases (but not bonuses) were included as part of the workers' regular pay. Excluded are performance bonuses and lump-sum payments of the type negotiated in the auto and aerospace industries, as well as profit-sharing payments, attendance bonuses, Christmas or yearend bonuses, and other nonproduction bonuses.

² For definition of regions, see appendix A, table A-1, footnote 1.

³ Data for overall occupation may include data for subclassifications not shown separately.

⁴ Includes data for regions in addition to those shown separately.

NOTE: Dashes indicate that no data were reported or data did not meet publication criteria.

Table 38. Wool fiber textile plants: Occupational earnings—Maine and New Hampshire

(Percent distribution of workers in selected occupations by straight-time hourly earnings,¹ August 1990)

Occupation	Number of workers	Average (mean) hourly earnings	Percent of workers receiving straight-time hourly earnings (in dollars) of—																								
			Under 5.50	5.50 and under 5.75	6.00	6.25	6.50	6.75	7.00	7.25	7.50	7.75	8.00	8.25	8.50	8.75	9.00	9.25	9.50	9.75	10.00	10.25	10.50	10.75	11.00		
Selected woolen occupations																											
Carding and drawing																											
Card operators (finishers)	87	\$7.47	-	-	-	14	7	2	7	-	31	14	17	5	-	3	-	-	-	-	-	-	-	-	-	-	-
Time	76	7.65	-	-	-	1	8	3	8	-	36	16	20	5	-	4	-	-	-	-	-	-	-	-	-	-	-
Card strippers	40	7.60	-	-	-	18	-	5	-	-	28	15	33	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Time	33	7.87	-	-	-	-	-	6	-	-	33	18	39	3	-	-	-	-	-	-	-	-	-	-	-	-	-
Roving operators	16	7.28	-	-	6	-	-	-	-	63	-	13	13	6	-	-	-	-	-	-	-	-	-	-	-	-	-
Spinning																											
Doffers	31	6.85	3	-	32	-	-	13	3	-	13	6	19	10	-	-	-	-	-	-	-	-	-	-	-	-	-
Section fixers	29	8.71	-	-	-	-	-	-	-	3	3	7	21	21	14	7	-	-	3	21	-	-	-	-	-	-	-
Time	21	8.47	-	-	-	-	-	-	-	-	-	10	29	29	19	10	-	-	5	-	-	-	-	-	-	-	-
Spinners	144	8.20	1	-	-	-	-	-	-	-	23	14	12	6	8	4	17	1	15	-	-	-	-	-	-	-	-
Time	37	8.20	-	-	-	-	-	-	-	-	35	22	-	-	-	43	-	-	-	-	-	-	-	-	-	-	-
Incentive	107	8.20	1	-	-	-	-	-	-	-	31	7	8	7	11	6	7	1	21	-	-	-	-	-	-	-	-
Yarn-dyeing-machine operators ² ..	9	6.88	-	-	33	22	-	-	-	-	-	33	-	-	-	-	-	-	11	-	-	-	-	-	-	-	-
Spooling, winding, and twisting																											
Twister operators	22	7.39	-	-	5	5	-	-	-	27	-	59	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Time	18	7.41	-	-	6	-	-	-	-	33	-	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yarn winders	101	7.33	-	-	-	5	14	-	-	39	17	14	-	9	-	-	-	-	1	-	-	1	1	-	-	-	-
Time	84	7.35	-	-	-	-	6	-	-	46	20	17	-	11	-	-	-	-	-	-	-	-	-	-	-	-	-
Warping																											
Warper operators	36	8.19	-	-	3	-	-	11	-	-	17	14	6	6	22	11	-	11	-	-	-	-	-	-	-	-	-
Time	29	8.15	-	-	-	-	-	14	-	-	21	17	7	-	28	-	-	14	-	-	-	-	-	-	-	-	-
Slow speed	19	7.92	-	-	5	-	-	21	-	-	5	26	-	11	11	21	-	-	-	-	-	-	-	-	-	-	-
Time	12	7.67	-	-	-	-	-	33	-	-	8	42	-	17	-	-	-	-	-	-	-	-	-	-	-	-	-
High speed ²	17	8.49	-	-	-	-	-	-	-	-	29	-	12	-	35	-	-	24	-	-	-	-	-	-	-	-	-
Weaving																											
Drawing-in-machine operators	20	7.50	-	-	-	15	-	-	-	50	-	10	20	5	-	-	-	-	-	-	-	-	-	-	-	-	-
Time	17	7.70	-	-	-	-	-	-	-	59	-	12	24	6	-	-	-	-	-	-	-	-	-	-	-	-	-
Tying-in-machine operators	20	8.09	-	-	-	30	-	-	-	-	-	35	-	15	-	-	-	-	-	-	-	-	-	-	20	-	
Weavers, shuttleless looms	119	8.52	-	-	-	3	-	1	3	-	7	25	9	6	15	5	1	8	10	-	-	-	-	-	7	2	
Time	43	8.18	-	-	-	7	-	2	7	-	12	33	5	-	7	2	-	26	-	-	-	-	-	-	-	-	
Incentive	76	8.72	-	-	-	-	-	-	-	-	4	21	12	9	20	7	1	12	1	-	-	-	-	-	11	3	
Rapier	76	8.20	-	-	-	4	-	1	4	-	7	38	9	3	9	7	-	8	11	-	-	-	-	-	-	-	
Time	39	8.03	-	-	-	8	-	3	8	-	13	36	5	-	8	3	-	18	-	-	-	-	-	-	-	-	
Incentive	37	8.39	-	-	-	-	-	-	-	-	-	41	14	5	11	11	-	16	3	-	-	-	-	-	-	-	
Projectile (Sulzer)	43	9.09	-	-	-	-	-	-	-	-	7	2	9	12	26	2	2	7	9	-	-	-	-	-	19	5	
Incentive	39	9.03	-	-	-	-	-	-	-	-	8	3	10	13	28	3	3	8	-	-	-	-	-	-	21	5	
Cloth room																											
Cloth-dyeing-machine operators ² ..	21	7.50	-	-	-	-	14	5	-	10	33	33	-	-	5	-	-	-	-	-	-	-	-	-	-	-	-
Cloth inspectors, machine ²	52	7.56	-	-	4	4	2	4	2	-	35	8	25	4	-	13	-	-	-	-	-	-	-	-	-	-	-
Cloth menders	86	7.65	-	-	1	-	-	-	2	-	9	67	15	-	5	-	-	-	-	-	-	-	-	-	-	-	-
Time	71	7.64	-	-	1	-	-	-	-	-	11	82	-	-	6	-	-	-	-	-	-	-	-	-	-	-	-
Fuller operators ²	72	7.46	-	-	-	8	1	3	13	-	25	-	39	-	8	3	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

Table 38. Wool fiber textile plants: Occupational earnings—Maine and New Hampshire—Continued

(Percent distribution of workers in selected occupations by straight-time hourly earnings,¹ August 1990)

Occupation	Number of workers	Average (mean) hourly earnings	Percent of workers receiving straight-time hourly earnings (in dollars) of—																								
			Under 5.50	5.50 and under 5.75	5.75 - 6.00	6.00 - 6.25	6.25 - 6.50	6.50 - 6.75	6.75 - 7.00	7.00 - 7.25	7.25 - 7.50	7.50 - 7.75	7.75 - 8.00	8.00 - 8.25	8.25 - 8.50	8.50 - 8.75	8.75 - 9.00	9.00 - 9.25	9.25 - 9.50	9.50 - 9.75	9.75 - 10.00	10.00 - 10.25	10.25 - 10.50	10.50 - 10.75	10.75 - 11.00	11.00 - 11.25	
Selected woolen and worsted occupations																											
Maintenance and miscellaneous																											
Battery operators	13	\$7.32	-	-	-	-	54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Carpenters ²	8	8.51	-	-	-	-	-	25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Electricians ²	18	8.94	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
General maintenance workers ²	25	8.51	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Handtruck operators ²	25	7.26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Janitors, porters, or cleaners ²	13	6.75	-	15	15	-	-	-	8	8	72	20	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mechanics ²	9	9.18	-	-	-	-	-	-	-	11	-	-	-	-	-	11	-	-	-	22	-	22	11	-	11	-	-
Mechanics ²	8	8.72	-	-	-	-	-	-	-	-	-	-	-	-	38	13	-	-	13	38	-	-	-	-	-	-	-
Shuttleless loom fixers ²	47	9.06	-	-	-	-	-	-	-	-	-	-	-	17	6	9	9	19	-	17	-	-	11	-	-	-	13

¹ Excludes premium pay for overtime and for work on weekends, holidays, and late shifts. Incentive payments, such as those resulting from piecework or production bonus systems, and cost-of-living pay increases (but not bonuses) were included as part of the workers' regular pay. Excluded are performance bonuses and lump-sum payments of the type negotiated in the auto and aerospace industries, as well as profit-sharing payments, attendance bonuses, Christmas or yearend bonuses, and other nonproduction bonuses.

² Virtually all time workers.

NOTE: Because of rounding, sums of individual items may not equal 100. Dashes indicate that no data were reported.

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Table 39. Wool fiber textile plants: Occupational earnings—Massachusetts and Rhode Island

(Percent distribution of workers in selected occupations by straight-time hourly earnings,¹ August 1990)

Occupation	Number of workers	Average (mean) hourly earnings	Percent of workers receiving straight-time hourly earnings (in dollars) of—												
			5.25 - 5.50	5.50 - 5.75	5.75 - 6.00	6.00 - 6.25	6.25 - 6.50	6.50 - 6.75	6.75 - 7.00	7.00 - 7.25	7.25 - 7.50	7.50 - 7.75	7.75 - 8.00	8.00 - 8.25	
Selected woolen occupations															
Spinning															
Spinners ²	45	\$7.62	-	-	-	-	-	-	-	-	-	-	100	-	-
Spooling, winding, and twisting															
Yarn winders ²	31	7.50	-	-	-	-	-	-	-	-	61	39	-	-	
Selected worsted occupations															
Carding and drawing															
Pin drafter operators ²	12	6.74	17	-	-	-	25	33	-	-	-	-	-	25	

¹ Excludes premium pay for overtime and for work on weekends, holidays, and late shifts. Incentive payments, such as those resulting from piecework or production bonus systems, and cost-of-living pay increases (but not bonuses) were included as part of the workers' regular pay. Excluded are performance bonuses and lump-sum payments of the type negotiated in the auto and aerospace industries, as well as profit-sharing payments, attendance bonuses, Christmas or yearend bonuses, and other nonproduction bonuses.

² Virtually all time workers.

NOTE: Because of rounding, sums of individual items may not equal 100. Dashes indicate that no data were reported.

Table 40. Wool fiber textile plants: Occupational earnings—North Carolina and South Carolina

(Percent distribution of workers in selected occupations by straight-time hourly earnings,¹ August 1990)

Occupation	Number of workers	Average (mean) hourly earnings	Percent of workers receiving straight-time hourly earnings (in dollars) of—																													
			Under 5.50	5.50 and under 5.75	5.75 - 6.00	6.00 - 6.25	6.25 - 6.50	6.50 - 6.75	6.75 - 7.00	7.00 - 7.25	7.25 - 7.50	7.50 - 7.75	7.75 - 8.00	8.00 - 8.25	8.25 - 8.50	8.50 - 8.75	8.75 - 9.00	9.00 - 9.25	9.25 - 9.50	9.50 - 10.00	10.00 - 10.50	10.50 - 11.00	11.00 - 11.50	11.50 - 12.00	12.00 - 12.50	12.50 - 13.00	13.00 - 13.50	13.50 - 14.00				
Selected woolen occupations																																
Spinning																																
Section fixers ²	10	\$7.80	-	-	-	-	30	-	-	10	-	20	-	10	-	30	-	-	-	-	-	-	-	-	-	-	-	-	-			
Spinners	62	6.75	-	-	-	29	-	-	71	10	-	20	-	10	-	30	-	-	-	-	-	-	-	-	-	-	-	-				
Spooling, winding, and twisting																																
Twister operators	63	6.81	6	-	6	21	2	8	-	-	41	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Time	37	6.46	11	-	11	35	3	14	-	-	41	-	27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Yarn winders	49	6.55	2	-	2	33	-	2	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				
Selected worsted occupations																																
Spinning																																
Section fixers ²	42	9.06	-	-	-	-	-	-	-	-	-	-	-	-	-	50	50	-	-	-	-	-	-	-	-	-	-	-				
Spinners ³	218	7.69	(⁴)	-	-	(⁴)	-	9	5	8	13	12	13	21	16	3	-	-	-	-	-	-	-	-	-	-	-	-				
Selected woolen and worsted occupations																																
Maintenance and miscellaneous																																
Electricians ²	16	11.14	-	-	-	-	-	-	6	-	-	-	-	6	-	-	-	-	6	-	-	-	-	-	13	-	13	31	6	-	-	19
Janitors, porters, or cleaners ²	21	6.09	14	-	38	-	48	-	-	-	-	-	-	6	-	-	-	-	6	-	-	-	-	-	13	-	13	31	6	-	-	19
Mechanics ²	13	10.75	-	-	-	-	-	-	-	-	-	-	-	8	8	-	-	-	-	-	-	-	-	-	38	-	23	8	-	-	15	

¹ Excludes premium pay for overtime and for work on weekends, holidays, and late shifts. Incentive payments, such as those resulting from piecework or production bonus systems, and cost-of-living pay increases (but not bonuses) were included as part of the workers' regular pay. Excluded are performance bonuses and lump-sum payments of the type negotiated in the auto and aerospace industries, as well as profit-sharing payments, attendance bonuses, Christmas or yearend bonuses, and other nonproduction bonuses.

² Virtually all time workers.

³ Virtually all incentive workers.

⁴ Less than 0.5 percent.

NOTE: Because of rounding, sums of individual items may not equal 100. Dashes indicate that no data were reported.

Table 41. Wool fiber textile plants: Method of wage payment(Percent of production workers in establishments by method of wage payment,¹ United States, selected regions,² and textile centers, August 1990)

Method	United States ³	Regions		Maine and New Hampshire	Massachusetts and Rhode Island	North Carolina and South Carolina
		New England	Southeast			
All workers	100	100	100	100	100	100
Time rated workers	82	87	78	83	94	72
Formal plans	81	87	78	83	94	72
Single rate	74	66	77	57	94	70
Range of rates	7	20	1	26	-	2
Merit	-	-	-	-	-	-
Length of service	5	16	-	19	-	-
Combination	2	5	1	7	-	2
Individual determination	(⁴)	-	-	-	-	-
Incentive workers	18	13	22	17	6	28
Individual piecework	16	9	22	12	3	28
Group piecework	(⁴)	(⁴)	-	1	-	-
Individual bonus	1	1	-	-	3	-
Group bonus	2	3	-	4	-	-

¹ For definition of method of wage payment, see appendix A.² For definitions of regions, see appendix A, table A-1, footnote 1.³ Includes data for regions in addition to those shown separately.⁴ Less than 0.5 percent.

NOTE: Because of rounding, sums of individual items may not equal totals. Dashes indicate that no data were reported.

Table 42. Wool fiber textile plants: Weekly work schedules(Percent of production workers in establishments by scheduled weekly hours,¹ United States, selected regions,² and textile centers, August 1990)

Work schedule	United States ³	Regions		Maine and New Hampshire	Massachusetts and Rhode Island	North Carolina and South Carolina
		New England	Southeast			
All workers	100	100	100	100	100	100
32 hours	(⁴)	-	-	-	-	-
4.0 days	(⁴)	-	-	-	-	-
40 hours	96	100	94	100	100	88
5.0 days	91	100	85	100	100	69
5.5 days	5	-	9	-	-	19
48 hours	3	-	6	-	-	12
6.0 days	3	-	6	-	-	12

¹ Data relate to the predominant schedule for full-time day-shift workers in each establishment.² For definitions of regions, see appendix A, table A-1, footnote 1.³ Includes data for regions in addition to those shown separately.⁴ Less than 0.5 percent.

NOTE: Because of rounding, sums of individual items may not equal totals. Dashes indicate that no data were reported.

Table 43. Wool fiber textile plants: Shift differential provisions

(Percent of production workers in establishments by shift differential provisions,¹ United States, selected regions,² and textile centers, August 1990)

Shift differential	United States ³	Regions		Maine and New Hampshire	Massachusetts and Rhode Island	North Carolina and South Carolina
		New England	Southeast			
Second shift						
Workers in establishments with second-shift provisions	99.7	100.0	100.0	100.0	100.0	100.0
With shift differential	39.6	70.3	11.9	57.8	96.9	14.3
Uniform cents per hour	37.1	67.7	11.9	57.8	96.9	14.3
Under 5 cents	8.0	25.0	-	21.8	40.7	-
5 cents	4.8	-	1.9	-	-	-
Over 5 and under 10 cents	2.8	8.7	-	12.7	-	-
10 cents	6.0	-	8.3	-	-	11.0
15 cents	9.5	20.1	-	23.3	-	-
Over 15 and under 20 cents .....	.5	-	-	-	-	-
20 cents	3.7	11.6	-	-	46.9	-
25 cents	1.0	-	1.7	-	-	3.3
Over 30 and under 35 cents .....	.7	2.3	-	-	9.3	-
Uniform percentage	2.5	2.6	-	-	-	-
Under 4 percent	1.7	-	-	-	-	-
6 percent .....	.8	2.6	-	-	-	-
Third shift						
Workers in establishments with third-shift provisions	99.5	99.2	100.0	100.0	96.9	100.0
With shift differential	79.3	70.3	81.0	57.8	96.9	73.6
Uniform cents per hour	76.7	67.7	81.0	57.8	96.9	73.6
5 cents	39.6	-	69.0	-	-	59.3
Over 5 and under 10 cents	6.2	19.2	-	14.8	36.5	-
10 cents	11.7	13.5	6.5	19.6	-	9.2
15 cents	3.4	-	3.7	-	-	1.8
20 cents	1.3	2.0	-	2.9	-	-
Over 20 and under 25 cents	5.0	14.0	-	20.5	-	-
25 cents	3.7	1.0	1.7	-	4.2	3.3
50 cents	3.7	11.6	-	-	46.9	-
Over 65 and under 80 cents .....	.7	2.3	-	-	9.3	-
Over 100 cents	1.3	4.1	-	-	-	1.3
Uniform percentage	2.5	2.6	-	-	-	-
4 percent	1.7	-	-	-	-	-
8 percent .....	.8	2.6	-	-	-	-

¹ Refers to policies of establishments currently operating late shifts or having provisions covering late shifts.

² For definitions of regions, see appendix A, table A-1, footnote 1.

³ Includes data for regions in addition to those shown

separately.

NOTE: Because of rounding, sums of individual items may not equal totals. Dashes indicate that no data were reported.

Table 44. Wool fiber textile plants: Shift differential practices

(Percent of production workers in establishments by shift differential practices,¹ United States, selected regions,² and textile centers, August 1990)

Shift differential	United States ³	Regions		Maine and New Hampshire	Massachusetts and Rhode Island	North Carolina and South Carolina
		New England	Southeast			
Second shift	100.0	100.0	100.0	100.0	100.0	100.0
Workers employed on second shift	27.4	28.2	27.7	30.1	26.6	29.3
Receiving differential	10.5	18.4	3.7	15.9	26.6	4.5
Uniform cents per hour	10.3	18.1	3.7	15.9	26.6	4.5
Under 5 cents	1.9	5.8	-	5.6	8.1	-
5 cents	1.3	-	.6	-	-	-
Over 5 and under 10 cents .....	.8	2.3	-	3.4	-	-
10 cents	1.6	-	2.3	-	-	3.0
15 cents	2.7	5.4	-	6.9	-	-
Over 15 and under 20 cents .....	.2	-	-	-	-	-
20 cents	1.3	4.0	-	-	16.2	-
25 cents .....	.4	-	.7	-	-	1.5
Over 30 and under 35 cents .....	.2	.6	-	-	2.3	-
Uniform percentage .....	.2	.3	-	-	-	-
Under 4 percent .....	.1	-	-	-	-	-
6 percent .....	.1	.3	-	-	-	-
Third shift						
Workers employed on third shift	20.5	14.0	24.3	14.3	14.9	27.4
Receiving differential	16.1	9.8	19.0	8.2	14.9	19.1
Uniform cents per hour	16.0	9.5	19.0	8.2	14.9	19.1
5 cents	9.2	-	16.0	-	-	15.8
Over 5 and under 10 cents .....	.1	.3	-	-	1.4	-
10 cents	2.6	1.8	2.0	2.6	-	2.8
15 cents .....	.6	-	.9	-	-	.3
20 cents .....	.3	.3	-	.4	-	-
Over 20 and under 25 cents	1.1	3.5	-	5.1	-	-
25 cents .....	.9	.2	.1	-	.8	.2
50 cents .....	.9	2.7	-	-	10.9	-
Over 65 and under 80 cents .....	.1	.4	-	-	1.8	-
Over 100 cents .....	.1	.2	-	-	-	-
Uniform percentage .....	.2	.3	-	-	-	-
4 percent .....	.1	-	-	-	-	-
8 percent .....	.1	.3	-	-	-	-

¹ Refers to policies of establishments currently operating late shifts.

² For definitions of regions, see appendix A, table A-1, footnote 1.

³ Includes data for regions in addition to those shown

separately.

NOTE: Because of rounding, sums of individual items may not equal totals. Dashes indicate that no data were reported.

Table 45. Wool fiber textile plants: Paid holidays

(Percent of production workers in establishments with formal provisions for paid holidays, United States, selected regions,¹ and textile centers, August 1990)

Number of paid holidays	United States ²	Regions		Maine and New Hampshire	Massachusetts and Rhode Island	North Carolina and South Carolina
		New England	Southeast			
All workers	100	100	100	100	100	100
Workers in establishments providing paid holidays	100	100	100	100	100	100
3 days	1	-	1	-	-	2
5 days	(³)	-	1	-	-	1
6 days	7	16	3	6	47	-
7 days	50	7	83	11	-	75
8 days	8	14	7	15	-	9
9 days	18	33	2	30	50	3
9 days plus 2 half days	3	9	-	9	-	-
10 days	9	21	-	29	3	-
11 days	4	-	5	-	-	9

¹ For definitions of regions, see appendix A, table A-1, footnote 1.

² Includes data for regions in addition to those shown separately.

³ Less than 0.5 percent.

NOTE: Because of rounding, sums of individual items may not equal totals. Dashes indicate that no data were reported.

Table 46. Wool fiber textile plants: Paid vacations

(Percent of production workers in establishments with formal provisions for paid vacations after selected periods of service, United States, selected regions,¹ and textile centers, August 1990)

Vacation policy	United States ²	Regions		Maine and New Hampshire	Massachusetts and Rhode Island	North Carolina and South Carolina
		New England	Southeast			
All workers	100	100	100	100	100	100
Method of payment						
Workers in establishments providing paid vacations	100	100	100	100	100	100
Length-of-time payment	49	40	49	42	36	80
Percentage payment	51	60	51	58	64	20
Amount of vacation pay³						
After 6 months of service:						
Under 1 week	26	60	5	63	50	7
1 week	5	7	-	7	-	-
Over 1 and under 2 weeks	2	7	-	11	-	-
After 1 year of service:						
1 week	89	75	95	82	49	89
Over 1 and under 2 weeks	2	6	-	7	4	-
2 weeks	6	12	5	-	47	9
Over 2 and under 3 weeks	2	7	-	11	-	-
3 weeks	1	-	1	-	-	2
After 5 years of service:						
Over 1 and under 2 weeks	7	20	1	29	-	1
2 weeks	78	65	86	54	96	84
Over 2 and under 3 weeks	7	11	2	11	4	3
3 weeks	8	5	11	7	-	11
After 8 years of service:						
Under 2 weeks	4	13	-	19	-	-
2 weeks	71	65	85	54	96	86
Over 2 and under 3 weeks	9	17	2	20	4	3
3 weeks	16	5	13	7	-	11
After 10 years of service:						
2 weeks	60	41	82	50	9	86
Over 2 and under 3 weeks	8	24	-	20	41	-
3 weeks	28	30	13	23	50	5
Over 3 and under 4 weeks	2	5	-	7	-	-
4 weeks	3	-	5	-	-	9
After 12 years of service:						
2 weeks	35	26	47	38	-	14
Over 2 and under 3 weeks	6	20	-	14	41	-
3 weeks	54	47	49	41	59	76
Over 3 and under 4 weeks	2	7	-	7	-	-
4 weeks	3	-	5	-	-	9

See footnotes at end of table.

Table 46. Wool fiber textile plants: Paid vacations—Continued(Percent of production workers in establishments with formal provisions for paid vacations after selected periods of service, United States, selected regions,¹ and textile centers, August 1990)

Vacation policy	United States ²	Regions		Maine and New Hampshire	Massachusetts and Rhode Island	North Carolina and South Carolina
		New England	Southeast			
Amount of vacation pay³—Continued						
After 15 years of service:						
Under 3 weeks	12	34	2	49	4	5
3 weeks	74	45	93	25	96	86
Over 3 and under 4 weeks	5	7	-	7	-	-
4 weeks	9	13	5	20	-	9
After 20 years of service:						
Under 3 weeks	8	21	2	29	4	5
3 weeks	63	30	93	22	59	86
Over 3 and under 4 weeks	5	15	-	9	36	-
4 weeks	22	28	5	31	-	9
Over 4 and under 5 weeks	2	6	-	8	-	-
After 25 years of service:						
Under 3 weeks	8	21	2	29	4	5
3 weeks	13	17	13	3	59	5
Over 3 and under 4 weeks	4	13	-	19	-	-
4 weeks	66	23	84	10	36	90
Over 4 and under 5 weeks	4	12	-	18	-	-
5 weeks	5	14	-	20	-	-
After 30 years of service: ⁴						
Under 3 weeks	8	21	2	29	4	5
3 weeks	13	17	13	3	59	5
4 weeks	70	36	84	30	36	90
Over 4 and under 5 weeks	4	12	-	18	-	-
5 weeks	5	14	-	20	-	-

¹ For definitions of regions, see appendix A, table A-1, footnote 1.² Includes data for regions in addition to those shown separately.³ Vacation payments, such as percent of annual earnings, were converted to an equivalent time basis. Periods of service were chosen arbitrarily and do not necessarily reflect individual establishment provisions for progression.

For example, changes indicated at 8 years may include changes that occurred between 5 and 8 years.

⁴ Vacation provisions were virtually the same after longer periods of service.

NOTE: Because of rounding, sums of individual items may not equal totals. Dashes indicate that no data were reported.

Table 47. Wool fiber textile plants: Health, insurance, and retirement plans

(Percent of production workers in establishments with specified health, insurance, and retirement plans,¹ United States, selected regions,² and textile centers, August 1990)

Type of plan	United States ³	Regions		Maine and New Hampshire	Massachusetts and Rhode Island	North Carolina and South Carolina
		New England	Southeast			
All workers	100	100	100	100	100	100
Workers in establishments offering:						
Life insurance	100	99	100	100	96	100
Noncontributory plans	91	99	89	100	96	91
Accidental death and dismemberment insurance	87	99	83	100	96	66
Noncontributory plans	81	99	72	100	96	56
Sickness and accident insurance or sick leave or both ⁴	96	100	94	100	100	95
Sickness and accident insurance	95	97	94	100	100	95
Noncontributory plans	83	97	84	100	100	73
Sick leave (partial pay or waiting period) ..	1	3	-	-	3	-
Long-term disability insurance	12	-	21	-	-	42
Noncontributory plans	(⁵)	-	1	-	-	1
Hospitalization, surgical, and medical insurance	94	88	99	100	53	98
Noncontributory plans	25	33	12	38	17	17
Health maintenance organizations	15	29	2	9	93	3
Noncontributory plans	7	2	2	-	9	3
Dental care	63	19	90	13	14	90
Noncontributory plans	32	19	36	13	14	40
Vision care	6	3	6	3	3	-
Noncontributory plans	3	3	-	3	3	-
Hearing care	3	-	6	-	-	-
Alcohol and drug abuse treatment plans	96	100	93	100	100	98
Noncontributory plans	26	33	12	38	17	17
Retirement plans ⁶	88	68	97	84	12	95
Pensions	84	68	90	84	12	95
Noncontributory plans	78	52	89	62	12	93
Lump sum	8	4	9	-	-	4
Noncontributory plans	1	-	2	-	-	-

¹ For definitions of benefits, see appendix A.

² For definitions of regions, see appendix A, table A-1, footnote 1.

³ Includes data for regions in addition to those shown separately.

⁴ Unduplicated total of workers receiving sickness and

accident insurance and sick leave shown separately.

⁵ Less than 0.5 percent.

⁶ Unduplicated total of workers covered by pension plans and lump sums shown separately.

NOTE: Dashes indicate that no data were reported.

Table 48. Wool fiber textile plants: Health plan participation

(Percent of production workers participating in specified health plans,¹ United States, selected regions,² and textile centers, August 1990)

Type of plan	United States ³	Regions		Maine and New Hampshire	Massachusetts and Rhode Island	North Carolina and South Carolina
		New England	Southeast			
All workers	100	100	100	100	100	100
Hospitalization, surgical, and medical insurance ...	84	72	94	85	28	92
Noncontributory plans	22	31	11	38	11	16
Health maintenance organizations	10	19	1	7	57	1
Noncontributory plans	4	1	1	-	5	1
Dental care	62	19	88	13	13	87
Noncontributory plans	32	19	36	13	13	40
Vision care	6	3	6	3	3	-
Noncontributory plans	2	3	-	3	3	-
Hearing care	3	-	6	-	-	-
Noncontributory plans	-	-	-	-	-	-
Alcohol and drug abuse care	91	91	89	92	85	94
Noncontributory plans	26	32	12	38	16	17

¹ For definitions of plans, see appendix A. Includes those plans for which the employer pays at least part of the cost. "Noncontributory plans" include only those financed entirely by the employer. Percentages of workers participating in some of these plans may exceed the percentages shown for the plans in table 47. Data in that table relate to workers in establishments where a *majority* of workers are covered by a plan. Data in this table in-

clude all participants, even those from establishments providing coverage to a minority of workers.

² For definitions of regions, see appendix A, table A-1, footnote 1.

³ Includes data for regions in addition to those shown separately.

NOTE: Dashes indicate that no data were reported.

Table 49. Wool fiber textile plants: Other selected benefits

(Percent of production workers in establishments with formal provisions for selected benefits,¹ United States, selected regions,² and textile centers, August 1990)

Benefit	United States ³	Regions		Maine and New Hampshire	Massachusetts and Rhode Island	North Carolina and South Carolina
		New England	Southeast			
All workers	100	100	100	100	100	100
Workers in establishments with provisions for:						
Technological severance pay	31	14	40	20	-	80
Paid leave:						
Jury-duty leave	89	71	98	63	86	96
Funeral leave	89	67	99	71	49	98
Family care benefits ⁴	51	51	46	74	-	14
Maternity leave	51	51	46	74	-	14
Partially paid	(⁵)	-	1	-	-	1
Unpaid	51	51	46	74	-	13
Other benefits continued	51	51	46	74	-	14
Paternity leave	22	51	-	74	-	-
Unpaid	22	51	-	74	-	-
Other benefits continued	22	51	-	74	-	-
Childcare provisions	3	-	-	-	-	-
Information and referral services	3	-	-	-	-	-
Employer financed	3	-	-	-	-	-

¹ For definitions of benefits, see appendix A.

² For definitions of regions, see appendix A, table A-1, footnote 1.

³ Includes data for regions in addition to those shown separately.

⁴ Unduplicated total of workers provided maternity leave, paternity leave, and childcare shown separately.

⁵ Less than 0.5 percent.

NOTE: Dashes indicate that no data were reported.

Appendix A. Scope and Method of Survey

Scope of survey

The survey included establishments in the following industries as defined in the 1987 edition of the *Standard Industrial Classification Manual* prepared by the U.S. Office of Management and Budget: Those primarily engaged in weaving fabrics over 12 inches (30.48 centimeters) wide wholly or chiefly (by weight) of cotton, silk, or synthetic fibers, including glass, (industry groups 221 and 222); those primarily engaged in manufacturing yarn or thread chiefly of these fibers (part of industry group 228); those primarily engaged in weaving fabrics more than 12 inches (30.48 centimeters) in width, wholly or chiefly by weight of wool, mohair, or similar animal fibers; dyeing and finishing woven wool fabrics or dyeing wool, tops, or yarn; and those shrinking and sponging wool goods for the trade (industry group 223); and those primarily engaged in manufacturing yarn or thread chiefly of these fibers (part of industry group 228). Separate auxiliary units such as central offices were excluded.

Establishments studied were selected from those employing 100 or more workers for cotton and synthetic textile plants and 50 or more workers for wool textile plants at the time of reference of the data used in compiling the universe lists. Table A-1 shows the number of establishments and workers estimated to be within the scope of the survey, as well as the number actually studied by the Bureau.

Products

Classification of establishments by product was based on the principal type of fiber processed (by weight). For example, if 60 percent of the total weight of an establishment's production was cotton yarn, all production workers in that establishment were considered as producing cotton yarn. Products that were 50 percent natural and 50 percent synthetic were classified as synthetic.

Method of study

Data were obtained by personal visits of the Bureau's field representatives to a probability-based sample of establishments within the scope of the survey. To obtain appropriate accuracy at minimum cost, a greater proportion of large than of small establishments was studied. In combining the data, each establishment was

given an appropriate weight. All estimates are presented, therefore, as relating to all establishments in the industry, excluding only those below the minimum size at the time of reference of the universe data.

Establishment definition

An establishment was defined for this study as a single physical location where industrial operations are performed. An establishment is not necessarily identical with a company, which may consist of one establishment or more.

Employment

Estimates of the number of workers within the scope of the study are intended as a general guide to the size and composition of the industry's labor force, rather than as precise measures of employment.

Production workers

The terms "production workers" and "production and related workers," used interchangeably in this bulletin, include working supervisors and all nonsupervisory workers engaged in nonoffice activities. Administrative, executive, professional, and technical personnel, and force-account construction employees, who are used as a separate work force on the firm's own properties, were excluded.

Occupational classification

Occupational classification was based on a uniform set of job descriptions designed to take account of interestablishment and interarea variations in duties within the same job. (See appendix B for these descriptions.) The criteria for selection of the occupations were: The number of workers in the occupation; the usefulness of the data in wage determination; and appropriate representation of the entire job scale in the industry. Working supervisors, apprentices, learners, beginners, trainees, and handicapped, part-time, temporary, and probationary workers were not reported in the data for selected occupations but were included in the data for all production workers.

Wage data

Information on wages relates to straight-time hourly earnings, excluding premium pay for overtime and work

Table A-1. Estimated number of establishments and workers within scope of study and number studied, cotton and synthetic fiber textile plants and wool yarn and broadwoven fabric plants, August 1990

Industry, region, ¹ and locality	Number of establishments ²		Workers in establishments		Actually studied ³
	Within scope of study	Actually studied	Within scope of study		
			Total ⁴	Production workers	
All plants	679	338	222,813	196,758	123,017
Cotton and synthetic fiber textile plants					
United States ⁵	632	297	211,990	187,471	113,437
New England ⁶	24	20	6,313	4,995	5,776
Maine and New Hampshire	6	6	1,931	1,405	1,931
Southern New England	17	13	4,325	3,536	3,788
Middle Atlantic	24	17	4,002	3,211	2,942
Southeast ⁶	570	247	196,793	174,974	100,036
Georgia	108	62	37,542	33,247	26,253
North Carolina ⁷	238	94	76,966	68,193	34,671
Greensboro-Winston Salem-High Point, NC	12	11	6,429	5,833	6,046
Hickory, NC	15	15	2,798	2,491	2,798
South Carolina ⁷	140	64	48,744	43,713	24,071
Anderson, SC	19	14	7,199	6,204	5,559
Greenville-Spartanburg, SC	42	27	13,337	11,989	10,048
Virginia	19	12	12,051	10,855	9,349
Southwest	7	7	2,619	2,404	2,619
Wool fiber textile plants					
United States ⁵	47	41	10,823	9,287	9,580
New England ⁶	20	18	3,657	2,987	3,321
Maine and New Hampshire	13	11	2,490	2,048	2,154
Massachusetts and Rhode Island	5	5	935	740	935
Southeast ⁶	16	14	5,935	5,343	5,176
North Carolina and South Carolina	9	9	3,056	2,675	3,056

¹ The regions as defined for this study were: *New England*—Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont; *Middle Atlantic*—New Jersey, New York, and Pennsylvania; *Border States*—Delaware, District of Columbia, Kentucky, Maryland, and West Virginia; *Southeast*—Alabama, Florida, Georgia, Mississippi, North Carolina, South Carolina, Tennessee, and Virginia; *Southwest*—Arkansas, Louisiana, Oklahoma, and Texas; *Great Lakes*—Illinois, Indiana, Michigan, Minnesota, Ohio, and Wisconsin; *Middle West*—Iowa, Kansas, Missouri, Nebraska, North Dakota, and South Dakota; *Mountain*—Arizona, Colorado, Idaho, Montana, New Mexico, Utah, and Wyoming; *Pacific*—California, Nevada, Oregon, and Washington.

Alaska and Hawaii were not included in the study. The areas included in the study are defined as follows: *Southern New England*—Connecticut, Massachusetts, and Rhode Island; *Anderson*—Anderson County, SC; *Greensboro-Winston Salem-High Point*—

Davidson, Davie, Forsyth, Guilford, Randolph, Stokes, and Yadkin Counties, NC; *Greenville-Spartanburg*—Greenville, Pickens and Spartanburg Counties, SC; *Hickory*—Alexander, Burke, Catawba Counties, NC.

² Includes only those establishments with 100 workers or more in the cotton and synthetic fiber segment and with 50 workers or more in the wool fiber segment at the time of reference of the universe data.

³ Data relate to total employment in establishments actually visited.

⁴ Includes executive, professional, office, and other workers in addition to the production worker category shown separately.

⁵ Includes data for regions in addition to those shown separately.

⁶ Includes data for States and areas in addition to those shown separately.

⁷ Includes data for areas in addition to those shown separately.

on weekends, holidays, and late shifts. Incentive payments, such as those resulting from piecework or production bonus systems, and cost-of-living pay increases (but not bonuses) were included as part of the workers' regular pay. Excluded were performance bonuses and lump-sum payments, such as profit-sharing payments, attendance bonuses, Christmas or yearend bonuses, and other nonproduction bonuses.

Average (mean) hourly rates or earnings for each occupation or category of workers, such as production workers, were calculated by weighting each rate (or hourly earnings) by the number of workers receiving the rate, totaling, and dividing by the number of individuals. The hourly earnings of salaried workers were obtained by

dividing straight-time salary by normal (or standard) hours to which the salary corresponds.

The *median* designates position; that is one-half of the employees surveyed received the same as or more than this rate and one-half received the same as or less. The *middle range* is defined by two rates of pay such that one-fourth of the employees earned the same as or more than the higher of these rates and one-fourth earned the same as or less than the lower rate.

Type of area

The term "metropolitan areas," as used in this bulletin, refers to Metropolitan Statistical Areas (MSA's) or Primary Metropolitan Statistical Areas (PMSA's) as

defined by the U.S. Office of Management and Budget through October 1984. In general, an MSA or PMSA is defined as a county or group of contiguous counties which contains at least one central city of at least 50,000 inhabitants or a central urbanized area of at least 100,000. Counties contiguous to the one containing such a city or area are included in an MSA or PMSA if, according to certain criteria, they are essentially metropolitan in character and are socially and economically integrated with the central city. In New England, where the city and town are administratively more important than the county, they are the units used in defining MSA's.

Labor-management agreements

Separate wage data are presented, where possible, for establishments that had (1) a majority of the production workers covered by labor-management contracts, and (2) none or a minority of the production workers covered by labor-management contracts.

Method of wage payment

Tabulations by method of wage payment relate to the number of workers paid under the various time-rated and incentive wage systems. Formal rate structures for time-rated workers provide single rates or a range of rates for individual job categories. In the absence of a formal rate structure, pay rates are determined primarily by the qualifications of the individual worker. A single rate structure is one in which the same rate is paid to all experienced workers in the same job classification. Learners, apprentices, or probationary workers may be paid according to rate schedules which start below the single rate and permit the workers to achieve the full job rate over a period of time. An experienced worker occasionally may be paid above or below the single rate for special reasons, but such payments are exceptions. Range-of-rate plans are those in which the minimum, maximum, or both of these rates paid experienced workers for the same job are specified. Specific rates of individual workers within the range may be determined by merit, length of service, or a combination of these. Incentive workers are classified under piecework or bonus plans. Piecework is work for which a predetermined rate is paid for each unit of output. Production bonuses are for production in excess of a quota or for completion of a task in less than standard time.

Weekly work schedules

Data on weekly work schedules refer to the predominant work schedule for full-time production workers employed on the day shift.

Shift provisions and practices

Shift provisions relate to the policies of establishments either currently operating late shifts or having formal

provisions covering late-shift work. Practices relate to workers employed on late shifts at the time of the survey.

Employee benefits

Employee benefits in an establishment were considered applicable to all production workers if they applied to half or more of such workers in the establishment. Similarly, if fewer than half of the workers were covered, the benefit was considered nonexistent in the establishment. Because of length-of-service and other eligibility requirements, the proportion of workers receiving the benefits may be smaller than estimated.

Paid holidays. Paid holiday provisions relate to full-day and half-day holidays provided annually.

Paid vacations. The summary of vacation plans is limited to formal arrangements and excludes informal plans whereby time off with pay is granted at the discretion of the employer or supervisor. Payments not on a time basis were converted; for example, a payment of 2 percent of annual earnings was considered the equivalent of 1 week's pay. The periods of service for which data are presented represent the most common practices, but they do not necessarily reflect individual establishment provisions for progression. For example, changes in proportions indicated at 8 years of service may include changes which occurred between 5 and 8 years.

Insurance, health, and retirement plans. Data are presented for insurance, health, pension, and lump-sum plans for which the employer pays all or a part of the cost. The benefits may be underwritten by a commercial insurance company, paid directly by an employer or union from current operating funds or from a fund set aside for this purpose, or provided by a health maintenance organization (HMO). Workers provided the option of an insurance plan or an HMO are reported under both types of plans. Legally required plans such as Social Security, workers' disability compensation, and temporary disability insurance are excluded.¹

¹ Temporary disability insurance which provides benefits to covered workers disabled by injury or illness which is not work connected is mandatory under State laws in California, New Jersey, New York, and Rhode Island. Establishment plans which meet only the legal requirements are excluded from these data, but those under which (1) employers contribute more than is legally required, or (2) benefits exceed those specified in the State law are included. In Rhode Island, benefits are paid out of a State fund to which only employees contribute. In each of the other three States, benefits are paid either from a State fund or through a private plan.

State fund financing: In California, only employees contribute to the State fund; in New Jersey, employees and employers contribute; and in New York, employees contribute up to a specified maximum and employers pay the difference between the employees' share and the total contribution required.

Private plan financing: In California and New Jersey, employees cannot be required to contribute more than they would if they were covered by the State fund; in New York, employees can agree to contribute more if the State rules that the additional contribution is commensurate with the benefit provided.

Life insurance includes formal plans providing indemnity (usually through an insurance policy) in case of death of the covered worker. Accidental death and dismemberment insurance is limited to plans which provide benefit payments in case of death or loss of limb or sight as a direct result of an accident.

Sickness and accident insurance is limited to that type of insurance under which predetermined cash payments are made directly to the insured on a weekly or monthly basis during illness or accident disability.

Tabulations of paid sick leave plans are limited to formal plans² which provide full pay or a proportion of the worker's pay during absence from work because of illness; informal arrangements have been omitted. Separate tabulations are provided for (1) plans which provide full pay and no waiting period, and (2) plans providing either partial pay or a waiting period.

Long-term disability insurance plans provide payments to totally disabled employees upon the expiration of sick leave, sickness and accident insurance, or both, or after a specified period of disability (typically 6 months). Payments are made until the end of disability, a maximum age, or eligibility for retirement benefits. Payments may be full or partial, but are almost always reduced by Social Security, workers' disability compensation, and private pension benefits payable to the disabled employee. Hospitalization, surgical, and medical insurance plans provide at least partial payment for: 1) hospital room charges; 2) inpatient surgery; and 3) doctors' fees for hospital, office, or home visits. These plans typically cover other expenses such as outpatient surgery and prescription drugs.

An HMO provides comprehensive medical care in return for pre-established fees. Unlike insurance, HMO's cover routine preventive care as well as care required because of an illness and do not have deductibles or coinsurance (although there may be small fixed copayments for selected services). HMO's may provide services through their own facilities; through contracts with hospitals, physicians, and other providers, such as individual practice associations (IPA's); or through a combination of methods.

Dental care plans provide at least partial payment for routine dental care, such as checkups and cleanings, fillings, and X-rays. Excluded are plans which cover only oral surgery or care required as the result of an accident.

Vision care plans provide at least partial payment for routine eye examinations or eyeglasses. Plans which restrict benefits to certain kinds of surgery or care required as a result of an accident are not reported.

Hearing care plans provide at least partial payment for hearing examinations, hearing aids, or both.

² An establishment is considered as having a formal plan if it specifies at least the minimum number of days of sick leave available to each employee. Such a plan need not be written, but informal sick leave allowances determined on an individual basis are excluded.

Alcohol and drug abuse treatment plans provide at least partial payment for institutional treatment (in a hospital or specialized facility) for addiction to alcohol or drugs.

Tabulations of retirement pensions are limited to plans which provide regular payments for the remainder of the retiree's life. Data also are presented separately for lump-sum retirement plans, those providing for a single payment at retirement; and for "other" plans, those providing for a fixed number of payments (more than one) after which payments are discontinued. Establishments providing both lump-sum payments and pensions were included in data for each, but establishments having optional plans providing employees a choice of either lump-sum payments or pensions were considered as having only pension benefits.

Health plan participation. Data relate to the proportion of production workers participating in selected health care plans. A plan is included even though it is offered only to a minority of workers, or a majority of the employees in an establishment do not choose to participate in it.

Paid funeral and jury-duty leave. Data relate to formal plans providing at least partial payment for time lost as a result of attending funerals of specified family members or serving as a juror.³

Technological severance pay. Formal plans providing for payments to employees permanently separated from work through no fault of their own for such reasons as technological change or closing or scaling down all or part of the establishment.

Maternity/paternity leave. Paid or unpaid leave given to a new mother or father for the special purpose of caring for their child during the early days of its infancy, including the birth or adoption of a child. These plans are separate from the establishment's vacation, personal leave, sick leave, and sickness and accident insurance plans.

Childcare benefits and services

Childcare benefits and services include plans providing one or more of the following items.

Assistance with childcare expenses. Regular reimbursement of employees childcare expenses as part of the employee benefits package. This may be done by a number of methods, including flexible spending accounts or voucher systems, and arrangements between an employer and a childcare facility to provide care for employees' children free or at a discount.

Information and referral services. Services provided by the employer which range from a simple list of local childcare providers to the maintenance of an information system

³ When paid jury-duty leave is required by law, as it is in Alabama, Nebraska, Tennessee, and parts of Florida and Massachusetts, plans are included only if the employer provides the employees with benefit exceeding legal requirements.

containing such items as availability of space, type of care, etc., that allows the employer to direct employees to the most suitable childcare providers. This service does not include informal arrangements such as an employee bulletin board where childcare providers can post notices.

Other childcare benefits. Other benefits include paying for babysitting expenses when employees work overtime, allowing employees to bring children to work, or organizing seminars and informational meetings on childcare and parenting problems.

Appendix B. Occupational Descriptions

The primary purpose of preparing job descriptions for the Bureau's wage surveys is to assist its field representatives in classifying into appropriate occupations workers who are employed under a variety of payroll titles and different work arrangements from establishment to establishment and from area to area. This permits the grouping of occupational wage rates representing comparable job content. Because of this emphasis on interestablishment and interarea comparability of occupational content, the Bureau's job descriptions may differ significantly from those used in individual establishments or those prepared for other purposes. In applying these job descriptions, the Bureau's field representatives were instructed to exclude apprentices, learners, beginners, trainees, and handicapped, part-time, temporary, and probationary workers, unless specifically included in the job definition.

The titles and numeric codes below the job titles in this appendix were taken from the 1980 edition of the *Standard Occupational Classification Manual (SOC)*, issued by the U.S. Department of Commerce, Office of Federal Statistical Policy and Standards.

In general, the occupational descriptions of the Bureau of Labor Statistics are much more specific than those found in the SOC manual. For example, 15 of the production jobs fell into one SOC classification—Miscellaneous textile machine operators and tenders (7659). Thus, in comparing the results of this survey with other sources, differences in occupational definitions should be taken into consideration.

Carding and drawing

Card grinder

(6816: Precision grinder, filer, and tool sharpener)

Grinds and sharpens the fine wire teeth on cylinders of carding machines. Work involves attaching emery-covered grinding rollers to the carding machine so that they will be in contact with the teeth on the cylinders or removing the carding cylinders and grinding them on a card grinding machine. *Excludes* card grinders' helpers and Boss-card grinders.

Card stripper

(7659: Miscellaneous textile machine operator and tender)

Removes accumulated fibers adhering to the clothing of carding machines, using any of the following methods: (1) Mounting a wire-tooth covered stripping roll on brackets over the drums; attaching a machine-driven belt to the roll, which, while rotating, combs out the fibers packed between the teeth of the card clothing; lifting the stripping roll from the drum and removing the waste fibers by turning the roll against a stationary comb mounted on a truck used to transport the stripping roll; (2) Using a wire card to comb out the fibers by hand; or (3) Placing stripper nozzles of vacuum stripper attachment at side of carding cylinder and doffer drum, starting machine to move stripper across cylinder, and drawing dust into nozzle.

Card operator (finisher)

(Back operator, card; Bramwell-feeder operator; card feeder; card-hopper feeder; card operator; card-operator finisher; first (and second) breaker card operator; nub-card operator; wastecard operator)

(7659: Miscellaneous textile machine operator and tender)

Operates the front or discharge end of one or more carding machines that prepare and card fibers for further processing by cleaning and opening out the fibers, arranging them parallel and transforming them into loose untwisted strands. Work involves feeding lap, sliver, roving, or loose fibers into machine and doffing stock by removing filled cans or spools and replacing them with empty ones. May, as a minor duty, perform card stripping.

Comber operator

(7659: Miscellaneous textile machine operator and tender)

Operates a machine that combs out short fibers, removes dirt, and delivers long fibers in a sliver which is coiled in a can preparatory to the drawing process. Work involves: Laying card slivers on pair of fluted rollers; starting new slivers by feeding them through a machine and pinching end of new slivers onto end of slivers from exhausted roll, or balls; threading card slivers between

combing and drawing rollers, through gathering eyes, and through coiler head into can; and replacing full cans with empty cans.

Drawing-frame operator

(Drawer; drawer and doubler; drawing-frame operator, first; drawing-machine operator; drawing operator; fly-drawing-frame operator)

(7659: Miscellaneous textile machine operator and tender)

Operates a drawing frame that combines several strands of sliver into one strand. Work involves *most of the following*: Moving cans of card or combed sliver to place behind frame; passing strands of sliver through guides, revolving rollers, condensers, coiling head, and into a revolving can; controlling speed of rollers; and repairing breaks in sliver by twisting broken ends together. May replace cans, clean rollers, and oil machine.

Opener operator

(Bale-breaker operator; cotton opener; lumper, stock blender; vertical-cleaner operator)

(7659: Miscellaneous textile machine operator and tender)

Operates machines that open, clean, fluff, and mix cotton or synthetic fibers preparatory to picking. Work involves *most of the following*: Starting machine and feeding fibers from bales into hoppers to produce blend; observing process to detect clogged blending feeders or beaters; and stopping and cleaning machine. May weigh fibers preparatory to feeding machine.

Picker operator

(Lapper, mix-picker operator)

(7659: Miscellaneous textile machine operator and tender)

Operates picker machines that break up and clean cotton, form it into lap, and wind lap into rolls. Work involves *most of the following*: Starting machine and opening hopper gate through which cotton tufts feed on machine conveyor or hand feeding cotton tufts onto conveyor; regulating weight, length of lap, and machine speed; regulating conveyor speed to prevent jamming; inserting pin in takeup position and turning lap end around pin; and removing lap roll from machine, weighing, marking, and placing roll on racks. May clean and oil machine.

Pin drafter operator

(7659: Miscellaneous textile machine operator and tender)

Operates a pin drafter (also called gill reducer). This machine, the processes of which are based on the screw gill principle, transforms top from the card or comb to the reducer stage of the Bradford system, the forefinisher of

the French system, and the long-draft roving frame of the American system, in three consecutive operations. Work involves *most of the following*: Creeling balls of top into first pass (set of machines), creeling cans into second and third passes, doffing cans from all three passes, weighing and balancing cans before creeling third pass, repairing all sliver breaks and removing bad work from can, cleaning machines according to schedule, starting up machines, sweeping floor in pin drafter area, preparing and punching identification tickets, sorting weight tickets and replacing them in weight box, filling out daily production records, breaking out pin drafters and run out lots as instructed, and replacing or trimming parchment rolls and replacing shear pins as necessary.

Roving operator

(Slubber operator)

(7659: Miscellaneous textile machine operator and tender)

Operates a slubbing machine that transforms sliver into roving by drawing or thinning and imparting a slight twist to the strand of roving. Work involves *most of the following*: Positioning full cans of sliver at back of machine; piecing together broken ends; pinching ends of new sliver to end of old sliver; removing filled bobbins of roving from spindles and replacing with empty bobbins; starting roving on new bobbins; cleaning machine by brushing or wiping machine surfaces.

Texturing-machine operator

(Texturizer; crimp setter)

(7659: Miscellaneous textile machine operator and tender)

Operates a machine that crimps synthetic fibers to increase their bulk and resiliency usually to facilitate blending with natural fibers. Work includes *most of the following*: Starting machine, feeding sliver through rollers, typing, patrolling for broken ends, doffing, and replacing full receiving cans.

Spinning

Doffer

(8725: Machine feeders and offbearers)

Removes full bobbins, cops, or packages of yarn from machine spindles, places yarn in handtruck, and replaces full bobbins, cops, or packages with empty ones. May help connect broken ends of yarn.

Section fixer

(Fixer, spinning frame)

(613: Industrial machinery repairer)

Makes repairs and adjustments to spinning frames. Work involves inspecting spinning frames for quality and quantity of work and setting up, adjusting, and repairing

spinning frames, using hand tools. May have supervisory or inspectoral duties over spinners.

For wage study purposes, workers are classified as follows:

Cotton and synthetic fiber:

- Air-jet*
- Ring-frame*
- Open-end*
- Other*

Woolen:

Spinner

Worsted:

Spinner

Spinner

(7651: Winding and twisting machine operator and tender)

Operates one or more sides of ring, cap-frame, open-ended, or other spinning machines which spin yarn or thread from roving or sliver by drawing out strand of roving or sliver to proper size, twisting it and winding it on a bobbin, cop, or package. Work involves: Placing full bobbins of roving on spindles or pins of creel; threading yarn through the various guides and starting it on a winding bobbin, connecting broken ends; and cleaning and wiping off parts of spinning frame.

For wage study purposes, workers are classified as follows:

Cotton and synthetic fiber:

- Air-jet*
- Ring-frame*
- Open-end*
- Other*

Woolen:

Spinner

Worsted:

Spinner

Yarn dyeing

Yarn-dyeing-machine operator

(7659: Miscellaneous textile machine operator and tender)

Prepares and operates one or more of the various types of dyeing machines or kettles used to dye yarn or tops. Work involves: Mixing dye colors, acids, soap and water according to formula, and pouring solution into kettle or tank of machine, or opening and controlling valves which supply dyeing equipment with dyeing solution and water; loading material into machine or kettle; controlling steam valves to heat solution; starting and stopping the rotating or revolving mechanisms of the machine; and removing

dyed batch, draining solution from kettle or machine and rinsing equipment for next batch. May use mechanical hoist to lower or raise kettle baskets or other parts of equipment. Included in this classification are workers operating "package dyeing" machines that dye yarn in pressure vessels.

Spooling, winding, and twisting

Twister operator

(Twister operator; 5-B twister; 10-B twister)

(7651: Winding and twisting machine operator and tender)

Operates one or more sides of frame twisting machines (ring twister) which twist two or more separate ends, making either a ply yarn or a cable yarn, or insert additional twist in a single end. Work involves *most of the following*: Placing bobbins of yarn on creel or rack at top of machine; threading yarn downward through the various guides; connecting broken ends; removing filled spools or bobbins of twisted yarn from spindles and replacing them with empty ones; and cleaning machine by brushing or wiping machine surfaces.

Uptwister (synthetic fiber)

(7651: Winding and twisting machine operator and tender)

Operates one or more high speed machines which twist rayon, nylon, or silk yarns in cases where single yarns require twisting without any doubling. Work involves *most of the following*: Placing bobbins of yarn on vertical spindles at bottom of machine; threading yarn upward through the various guides; connecting broken ends; removing filled spools or bobbins of twisted yarns from machine and replacing them with empty ones; and cleaning machine by brushing or wiping machine surfaces.

Yarn winder

(Winder; rewinder; reeler; quiller; spooler; tuber)

(7651: Winding and twisting machine operator and tender)

Operates one or more of the various types of machines, including a section or an entire machine, used to wind yarn from one form to another for shipment or to facilitate handling in processing. Work involves: Placing skeins, bobbins or cones of yarn on reels or spindles of machine; threading yarn through the various guides; connecting broken ends; removing full winding bobbins; cones, tubes, or quills and replacing them with empty ones.

On automatic machines, one or more of the following steps, which are manually performed on nonautomatic winders, are accomplished automatically: Tying in ends of yarn, removing full bobbins, placing empty bobbins or cones on spindle heads; and connecting broken ends.

Slashing and warping

Slasher operator

(7659: Miscellaneous textile machine operator and tender)

Operates a machine that combines the warp yarn of a number of section beams onto a single loom beam and coats threads of warp yarn with sizing solution to give the yarn strength and to make the fibers adhere closely. Work involves *most of the following*: Positioning section beams of warp yarn in creel; drawing warp through slasher by tying ends from new section beams to ends from exhausted beams, or by threading warp through starch pot, around heated cylinders and onto loom beams; observing that yarn is properly sized; connecting broken ends; doffing full loom beams and replacing section beams; washing and cleaning the rollers and size box.

Warper operator

(7659: Miscellaneous textile machine operator and tender)

Operates a machine that draws yarn from many individual packages (cones, tubes, or cheeses) and winds the strands parallel onto section beams to form the warp. Work involves *most of the following*: Threading the ends of individual strands of yarn from packages through guides, drop wires, and comb of machine, following directions of a drawing to obtain a prescribed arrangement; fastening the ends of all the strands to a large beam mounted in the machine; operating the powered winding mechanism to draw the yarn from the packages and wind it on the section beam; and connecting broken ends of yarn.

For wage study purposes, warpers are classified as follows:

Warper operator, slow speed (under 300 yards per minute)

Warper operator, high speed (300 yards per minute and over)

Weaving

Battery operator

(8725: Machine feeder and offbearer)

Transfers or loads quills or bobbins of filling to the battery or loading hopper of automatic looms. May use a handtruck.

Cloth doffer

(8725: Machine feeder and offbearer)

Removes rolls of cloth from looms and transports cloth to storage. Work involves: Removing cloth when roll has sufficient yardage as determined by yardage clock or marking on cloth; cutting cloth; placing cloth on hand-

truck; and attaching new roll to takeup mechanism. May weigh or keep record of cloth beams.

Drawing-in-machine operator

(Drawer; drawer-in, machine; warp draw-in, machine)

(7659: Miscellaneous textile machine operator and tender)

Operates a machine that automatically draws end of warp from a filled warp beam through heddle eyes of empty harness, dents in reed, and eyes of drop wires. Work involves: Laying warp in sheet on machine; and manipulating levers to pick out threads and draw through the heddles.

Loom fixer

(7452: Knitting and weaving machine setup operator)

(614 : Machinery maintenance occupations)

Prepares looms for operation and keeps looms in an assigned section of the weave room in good working condition. Work involves *most of the following*: Inspecting looms to see that they are operating properly; adjusting or fixing various parts of looms; dismantling or partially dismantling loom to make necessary repairs, adjustments, or replacements of parts; reassembling loom; changing cams and gears; installing or setting harness and reeds in position; changing beams; cutting and removing cloth from loom; using a variety of handtools. May have supervisory or inspectoral duties over weavers and their work.

Excludes workers who specialize in repairing loom-winding attachments (unifilar attachments) on looms.

For wage study purposes, loom fixers are classified by type of loom, as follows:

Box shuttle looms

Jacquard shuttle looms

Plain and dobby shuttle looms

Shuttleless looms

Other (including combination)

Loom-winder operator

(Unifilar operator)

(7651: Winding and twisting machine operator and tender)

Operates winding units attached to looms that automatically wind yarn onto quills, transfers quills to loom shuttles, and strips bunch yarn from expended quills. Work involves *most of the following*: Positioning yarn packages on machine creel and threading yarn end through guides, tensions, and yarn carrier; placing empty quills in feed tray of winding unit; patrolling aisles between looms to detect malfunctions; straightening or removing jammed quills; tying broken yarn ends; replacing exhausted yarn package; stripping yarn from rejected quills by hand; and placing stripped quills in feed tray.

Tying-in-machine operator

(Knotting-machine operator, portable; knot-tying operator; power-tying-machine operator; warp-tying-machine operator; warp-tying-machine knotter)

(7652: Knitting and weaving machine operator and tender)

Arranges and clamps warp thread in tying-in machine that ties the ends of warp from a full-loom beam to ends of warp from an exhausted loom beam. Turns handcrank that operates a selecting device that picks off the end threads of the top and bottom set and places them in position for an automatic tier. Ties, by hand, pairs of thread not tied by machine.

Weaver, shuttle looms

(7652: Knitting and weaving machine operator and tender)

Operates one or more looms to produce woven cloth. Work involves: Connecting broken warp threads, drawing the yarn through the harness, reed, and/or drop wires when necessary; replacing empty bobbins in shuttle with full ones, if loom is not automatic; inspecting product as it is woven for imperfections and stopping loom and removing imperfections when they occur.

For wage study purposes, weavers are classified as follows:

Weaver, box loom

(Box Weaver; C. and K. cam box loom weaver)

Operates one or more cam driven looms fitted with a box motion so that several shuttles of different colors or twists of filling may be used. The loom may have two, four, or six boxes on one side of the lay, known as 2x1, 4x1, and 6x1 looms, or there may be an equal number of boxes on each side of the lay known as 2x2, 4x4, and 6x6 looms. The box motion on these looms can be adjusted to weave plain fabrics. This classification includes all weavers on cam box looms, irrespective of the type of fabric woven.

For wage study purposes, box loom weavers are classified as follows:

Weaver, box loom, automatic (looms in which the filling bobbins are changed automatically)

Weaver, box loom, nonautomatic (looms in which the filling bobbins are changed by hand)

Weaver, dobbie loom

(Dobby weaver; Draper dobbie weaver; box dobbie weaver)

Operates one or more looms which are equipped with a dobbie attachment for controlling as many as 25 harnesses in the weaving of figured fabrics. The action of the dobbie is governed by a chain of bars set with small pegs according to the pattern. This classification also includes

weavers on box dobbie looms which are equipped with a box mechanism designed to weave cloth requiring multiple colors or twists of filling.

Weaver, Jacquard loom

(Draper Jacquard weaver; box Jacquard weaver; fancy loom weaver)

Operates one or more looms equipped with a Jacquard mechanism, which allows for independent control of a large number of ends in the warp to weave intricate patterns in the fabric. A chain of cards, punched according to the desired pattern, governs the raising of the warp yarn to form the shed or passageway through which the shuttle travels. This classification also includes weavers on box Jacquard looms which are equipped with a box motion mechanism designed to weave cloth requiring multiple colors or twists of filling.

Weaver, plain loom

(Plain weaver; Draper loom weaver; plain automatic weaver)

Operates one or more plain looms which are equipped with cams to alternately raise or lower from 2 to 4 harnesses, and occasionally up to 7 harnesses. These looms are equipped with a single shuttle and weave plain fabrics.

Weaver, loom, other (including combination)

Includes loom weavers other than those operating box, dobbie, or plain looms.

Weaver, shuttleless looms

(Shuttleless loom operator; Warner and Swasey weaving-machine operator; Sulzer-loom weavers)

(7652: Knitting and weaving-machine operator and tender)

Operates one or more machines which weave cloth without the use of conventional bobbins and shuttles. A steel gripper (rapier), air jet, or water jet normally carries the filling yarn through the warp at high speed. Direct cam motion operates the harnesses.

For wage study purposes, shuttleless weaving-machine operators are classified as follows:

Air-jet looms

Water-jet looms

Rapier

Projectile (Sulzer looms)

Other (including combination)

Cloth room

Cloth-dyeing-machine operator

(7659: Miscellaneous textile machine operator and tender)

Operates one of many types of dyeing machines ("spiral dye beck," "jigger," "padder," etc.) to dye cloth. Work involves *most of the following*: Threading cloth through machine; admitting dye or the trough or vat of machine; observing cloth to eliminate tangling or overlapping; regulating speed of machine and adjusting it for proper number of dips cloth is to receive; washing vat; and cleaning and oiling machine.

Fuller operator

(Wet finisher, wool)

(7659: Miscellaneous textile-machine operator and tender)

Operates a machine that causes fibers of wool to felt or interlock, thus strengthening cloth preparatory to other finishing processes. Work involves: Threading cloth through rollers of machine and sewing the two ends together with a portable sewing machine to make an endless strand with bulk of cloth resting in bottom of machine; pouring proper amount of soap into tank, and admitting water; and cleaning and oiling machine.

Cloth inspector, machine

(782: Production inspector, checker, and examiner)

Operates an examining machine to inspect cloth for defects or imperfect processing. Work involves *most of the following*: Mounting roll of cloth on axle of machine, threading cloth over rollers and inspection board to take up beam; starting winding of cloth on beam; watching cloth closely and feeling it with hands for flaws; stopping machine and marking defects; using hand tools (burling iron, scissors, weaver's comb) to remove such defects as knots, slubs, and prominent threads, or to spread the yarn over thin places; grading and/or measuring cloth; and maintaining record of yardage and number of defects.

Cloth mender

(Sewer)

(7752: Hand sewing occupations)

Repairs defects in cloth by hand. Work involves: Examining defects to determine method of repair; weaving in missing strands of yarn with hand needle; repairing rips and tears; pulling threads with heavy sections (slubs) to the surface, thinning them, and working them carefully back into cloth; and performing other fine mending as required.

Excludes burlers from this classification.

Maintenance and miscellaneous

Carpenter

(6422: Carpenter)

Performs the carpentry duties necessary to construct and maintain in good repair building woodwork and equipment such as bins, cribs, counters, benches, partitions, doors, floors, stairs, casings, and trim made of wood. Work involves *most of the following*: Planning and laying out of work from blueprints, drawings, models, or verbal instructions; using a variety of carpenter's handtools, portable power tools, and standard measuring instruments; making standard shop computations relating to dimensions of work; and selecting materials necessary for the work. In general, the work of the maintenance carpenter requires rounded training and experience usually acquired through a formal apprenticeship or equivalent training and experience.

Electrician

(6152: Electric motors, transformers, and related repairer)

Performs a variety of electrical trade functions such as the installation, maintenance, or repair of equipment for the generation, distribution, or use of electric energy. Work involves *most of the following*: Installing or repairing any of a variety of electrical equipment such as generators, transformers, switchboards, controllers, circuit breakers, motors, heating units, conduit systems, or other transmission equipment; working from blueprints, drawings, layouts, or other specifications; locating and diagnosing trouble in the electrical system or equipment; working standard computations relating to load requirements of wiring or electrical equipment; and using a variety of electrician's handtools and measuring and testing instruments. In general, the work of the maintenance electrician requires rounded training and experience usually acquired through a formal apprenticeship or equivalent training and experience.

Electronics technician

(3711: Electrical and electronic engineering technologist and technician)

(615: Electrical and electronic equipment repairer)

Works on various types of electronic equipment and related devices by performing one or more of the following: Installing, maintaining, repairing, overhauling, troubleshooting, modifying, constructing, and testing. Work requires practical application of technical knowledge of electronics principles, ability to determine malfunctions, and skill to put equipment in required operating condition.

The equipment—consisting of either many different kinds of circuits or multiple repetition of the same kind of circuit—includes, but is not limited to, the following: (a)

Electronic transmitting and receiving equipment (e.g., radar, radio, television, telephone, sonar, navigational aids), (b) personal and mainframe computers and terminals, (c) industrial and medical measuring and controlling equipment, (d) satellite equipment, and (e) industrial robotic devices.

This classification excludes repairers of such standard electronic equipment as common office machines and household radio and television sets; production assemblers and testers; workers whose primary duty is servicing electronic test instruments; technicians who have administrative or supervisory responsibility; and drafters, designers, and professional engineers.

Positions are classified into levels on the basis of the following definitions:

Electronics technician I

Applies working technical knowledge to perform simple or routine tasks in working on electronic equipment, following detailed instructions which cover virtually all procedures. Work typically involves such tasks as: Assisting higher level technicians by performing such activities as replacing components, wiring circuits, and taking test readings; repairing simple electronic equipment; and using tools and common test instruments (for example, digital multimeters, signal generators, semiconductor testers, curve tracers, oscilloscopes). Technicians are not required to be familiar with complex interrelationships of circuits. This knowledge, however, may be acquired through assignments designed to increase competence (including classroom training) so that worker can advance to higher level technician.

Receives technical guidance, as required, from supervisor or higher level technician. Work is typically spot-checked, but is given detailed review when new or advanced assignments are involved.

Electronics technician II

Applies comprehensive technical knowledge to solve complex problems (that is, those that typically can be solved solely by properly interpreting manufacturers' manuals or similar documents) in working on electronic equipment. Work typically involves: A familiarity with the interrelationships of circuits; and judgment in determining work sequence and in selecting tools and testing instruments, usually less complex than those used by the level III technician.

Receives technical guidance, as required, from supervisor or higher level technician, and work is reviewed for specific compliance with accepted practices and work assignments. May provide technical guidance to lower level technicians.

Electronics technician III

Applies advanced technical knowledge to solve unusually complex problems (that is, those that typically cannot be solved solely by reference to manufacturers' manuals or similar documents) in working on electronic equipment. Examples of such problems include determining the location and density of circuitry, evaluating electromagnetic radiation, isolating malfunctions, and incorporating engineering changes. Work typically involves: A detailed understanding of the interrelationships of circuits; exercising independent judgment in performing such tasks as making circuit analyses, calculating wave forms, tracing relationships in signal flow; and regularly using complex test instruments (for example, high frequency pulse generators, frequency synthesizers, distortion analyzers, complex computer control equipment).

Work may be reviewed by supervisor (frequently an engineer or designer) for general compliance with accepted practices. May provide technical guidance to lower level technicians.

General maintenance worker

(6179: Mechanic and repairer, not elsewhere classified)

Performs general maintenance and repair of building structures and their mechanical, electrical, or sanitary systems. Also may perform general maintenance and repair of the establishment's machinery. Work requires a basic practical knowledge of several maintenance trades in order to perform *most of the following*: Keeping in good repair building woodwork; replacing electrical switches, fixtures, and motors; occasional painting or touching up of structure or equipment; repairing or replacing plumbing fixtures; and replacing broken window panes.

Excluded are positions requiring a formal apprenticeship or equivalent training in one or more crafts. Also excluded are workers participating in such a program.

Handtruck operator

(8724: Stock handler and bagger)

Pushes or pulls handtrucks, cars or wheelbarrows used for transporting goods and materials of all kinds about a warehouse, manufacturing plant, or other establishment, and usually loads or unloads handtrucks or wheelbarrows. May stack materials in storage bins, etc., and may keep records of materials moved.

Janitor, porter, or cleaner

(5244: Janitor and cleaner)

Cleans and keeps in an orderly condition factory working areas and washrooms, or premises of an office, apartment house, or commercial or other establishment. Duties involve *a combination of the following*: sweeping, mopping or scrubbing, and polishing floors; removing chips, trash, and other refuse; dusting equipment, furniture, or fixtures; polishing metal fixtures or trimmings; providing supplies

and minor maintenance services; cleaning lavatories, showers, and restrooms. Workers who specialize in window washing are *excluded*.

Machinist

(613: Industrial machinery repairer)

Produces replacement parts and new parts in making repairs of metal parts of mechanical equipment operated. Work involves *most of the following*: Interpreting written instructions and specifications; planning and laying out of work; using a variety of machinist's handtools and precision measuring instruments; setting up and operating standard machine tools; shaping of metal parts to close tolerances; making standard shop computations relating to dimensions of work, tooling, feeds, and speeds of machining; knowledge of the working properties of the common metals; selecting standard materials, parts, and equipment required for this work; and fitting and assembling parts into mechanical equipment. In general, the machinist's work normally requires a rounded training in machine-shop practice usually acquired through a formal apprenticeship or equivalent training and experience.

Mechanic

(613: Industrial machinery repairer)

Repairs machinery or mechanical equipment. Work involves *most of the following*: Examining machines and mechanical equipment to diagnose source of trouble;

dismantling or partly dismantling machines and performing repairs that mainly involve the use of handtools in scraping and fitting parts; replacing broken or defective parts with items obtained from stock; ordering the production of a replacement part by a machine shop or sending the machine to a machine shop for major repairs; preparing written specifications for major repairs or for the production of parts ordered from machine shops; reassembling machines; and making all necessary adjustments for operation. In general, the work of a machinery maintenance mechanic requires rounded training and experience usually acquired through a formal apprenticeship or equivalent training and experience.

Excluded from this classification are workers whose *primary duties* involve setting up or adjusting machines.

Powertruck operator

(8318: Industrial truck and tractor equipment operator)

Operates a manually controlled gasoline- or electric-powered truck or tractor to transport goods and materials of all kinds about a warehouse, manufacturing plant, or other establishment.

For wage study purposes, workers are classified by type of powertruck, as follows:

Forklift operator

Powertruck operator (other than forklift)

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current data hotline

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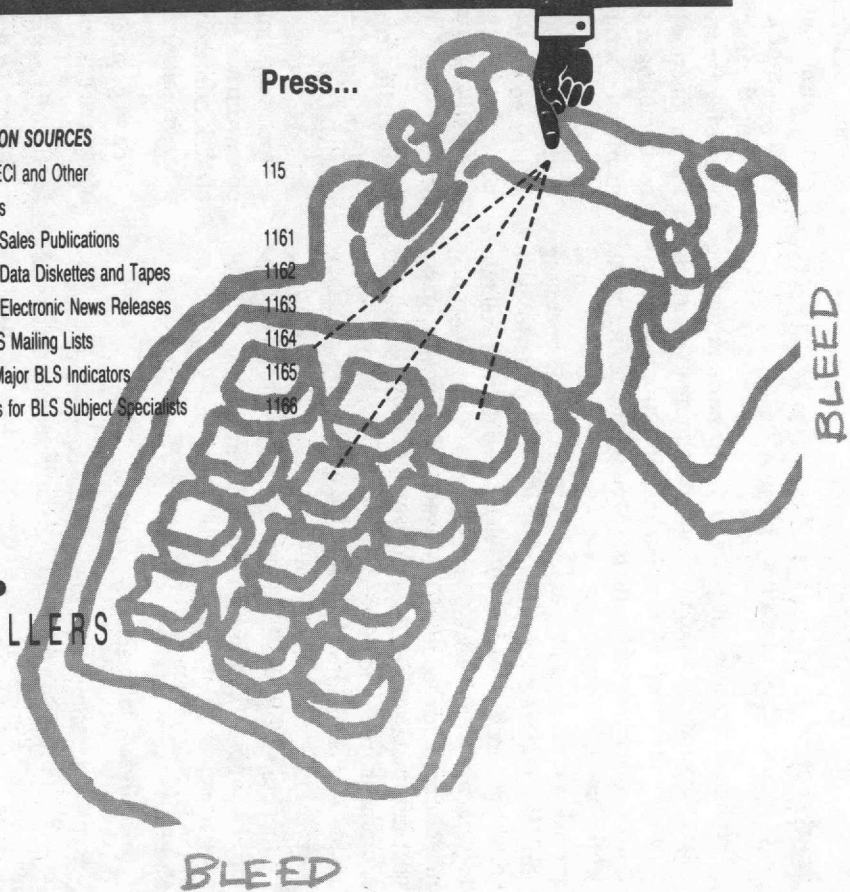
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