

# INDUSTRY WAGE SURVEY

## Bituminous Coal Mining

Part I: Underground Mines  
Part II: Surface Mines

NOVEMBER 1962

Bulletin No. 1383

UNITED STATES DEPARTMENT OF LABOR  
W. Willard Wirtz, Secretary

BUREAU OF LABOR STATISTICS  
Ewan Clague, Commissioner



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## Preface

This bulletin summarizes wages and supplementary practices information for bituminous coal mines surveyed by the Bureau of Labor Statistics as of November 1962. Such information is provided separately for underground and surface mines.

This bulletin was prepared by Frederick L. Bauer under the supervision of L. Earl Lewis in the Bureau's Division of Occupational Pay, under the general direction of L. R. Linsenmayer, Assistant Commissioner for Wages and Industrial Relations. Fieldwork for the survey was directed by the Assistant Regional Directors for Wages and Industrial Relations.

Other reports available from the Bureau's program of industry wage studies, as well as the addresses of the Bureau's six regional offices, are listed at the end of this bulletin.



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# Industry Wage Survey—

## Bituminous Coal Mining, November 1962

### Summary

Straight-time earnings of production and related workers in the Nation's bituminous coal mining industry averaged \$2.95 an hour, or \$111 a week in November 1962, according to a study conducted by the Bureau of Labor Statistics. Two-thirds of the 96,949 workers covered by the survey<sup>1</sup> earned between \$3 and \$3.40 an hour. Reflecting differences in hours of work, individual weekly earnings were more widely dispersed than hourly earnings.

Workers in underground mines, accounting for 85 percent of the industry's work force, averaged \$2.97 an hour, compared with \$2.87 for workers in surface mines. On a weekly basis, however, workers in surface mines averaged \$12 more than those in underground mines. Average weekly hours worked were 42 in surface mines, compared with 36.5 in underground mines.

Among the seven major coal-producing States for which separate data are provided, hourly earnings of workers in underground mines ranged from \$3.16 in Illinois to \$2.63 in Virginia. Average weekly earnings of workers in these mines ranged from \$130.50 in Illinois to \$95 in Alabama. Data for surface mines were developed separately for three States: Average hourly earnings for workers in these mines were \$3.44 in Illinois, \$2.63 in Ohio, and \$2.08 in Pennsylvania. Weekly earnings were \$151, \$107.50, and \$92.50, respectively.

Earnings information was developed separately for occupations accounting for four-fifths of the workers in both underground and surface mines.

Approximately four-fifths of the workers covered by the study were in mines having agreements with labor organizations. All but a small proportion of these were affiliated with the United Mine Workers of America (Ind.) (UMWA). Members of the UMWA typically received paid vacations and also received benefits provided by the union's welfare and pension fund to which operators contributed a stipulated amount for each ton of coal produced.

### Industry Characteristics

Half of the electricity and a fourth of all energy produced in the United States is generated from bituminous coal. Coal also provides the coke required in steelmaking, the carbon is used for the production of chemicals, and the power for the manufacture of many products.<sup>2</sup>

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<sup>1</sup> See appendix A for scope and method of survey. Wage data contained in this bulletin exclude premium pay for overtime and for work on weekends, holidays, and late shifts.

<sup>2</sup> For historical data on the structure and other aspects of the industry, see Technological Change and Productivity in the Bituminous Coal Industry, 1920-60 (BLS Bulletin 1305, 1961).

In 1962, approximately 120,000 production workers<sup>3</sup> mined and processed 422 million short tons<sup>4</sup> of bituminous coal. The number of workers has declined almost continuously since 1948, the postwar peak, when an average of 420,000 production and related workers were employed. This substantial employment decline, which adversely affected many coal areas at a time of high economic activity in the Nation as a whole, has been due to both reduced production and increased man-hour output.

The alltime peak production of bituminous coal, 630.6 million tons, was reached in 1947. Between 1958 and 1962, the annual rate of production has ranged between 403 and 422 million tons.<sup>5</sup> Other fuels (primarily petroleum and natural gas) have displaced coal, in varying degrees, in three principal markets: (1) Railroads, (2) residential and commercial heating, and (3) factories utilizing steam-power. Electric utilities are now the largest and fastest growing consumers of coal.

In order to meet competition from other fuels and to curb rising production costs, the coal industry has undertaken large-scale mechanization and mine modernization since the end of the war.<sup>6</sup> The output per man-hour in the industry increased faster between 1949-59 than in the preceding 30-year period.<sup>7</sup> The most important postwar development was the expansion of mechanization in underground mining. This included the widespread adoption of the mechanical loader, conveyerization, and the introduction of the continuous-mining machine which integrates cutting and loading into a continuous sequence and eliminates drilling and blasting. In 1952, the first year of record, only 2 percent of the coal was mined by continuous-mining machines; in 1959, this method accounted for nearly a fourth of all coal produced from underground mines.<sup>8</sup>

The continued growth of surface mining has also contributed to the increased output per man-hour in the industry. Man-days' output in surface mines has been two or three times greater than in underground mines. In 1960, surface mines accounted for 31 percent of the coal production, compared with 22 percent in 1947.

Seven States accounted for nine-tenths of the 96,949 production and related workers covered by this study. West Virginia, the leading coal-producing State, employed more than a third of the industry's work force in November 1962. Pennsylvania employed about a sixth of the workers, and Kentucky an eighth. Alabama, Illinois, Ohio, and Virginia each employed from 5 to 8 percent of the workers in the industry.

Underground mines employed 85 percent of the production and related workers covered by the study. Such mines accounted for nine-tenths or more of the workers in Alabama, Virginia, and West Virginia; slightly more than four-fifths in Kentucky and Pennsylvania; three-fifths in Illinois; and slightly less than half in Ohio. Mines operating preparation plants (cleaning, crushing, and sizing coal) in conjunction with their mining operations accounted for three-fourths of the workers in this segment of the industry.<sup>9</sup> Underground mines were classified by type of mine opening and predominant mining method. Nationwide, drift mines

<sup>3</sup> Based on the Bureau's monthly employment series which includes all bituminous coal and lignite mines as well as separate preparation plants. Mines employing fewer than 10 workers and separate preparation plants were excluded from this survey.

<sup>4</sup> Mineral Industry Surveys, Weekly Coal Report No. 2396 (August 16, 1963), U.S. Department of the Interior, Bureau of Mines. (Production data reported included lignite, which constituted less than 1 percent of the total.)

<sup>5</sup> *Ibid.*, and Mineral Industry Surveys, Weekly Coal Report No. 2372 (March 1, 1963).

<sup>6</sup> See BLS Bulletin 1305, *op. cit.*

<sup>7</sup> *Ibid.*, p. 24.

<sup>8</sup> *Ibid.*, p. 16.

<sup>9</sup> As indicated in footnote 3, preparation plants operated independently of mining operations were excluded from the survey. See scope and method of survey, appendix A.

accounted for 56 percent of the total production-worker employment in underground mines; slope mines, 29 percent; and shaft mines, 15 percent. Nearly two-thirds of the workers were in mines primarily using coal-cutting machines; a third were in mines using continuous-mining machines; and a small proportion (less than 5 percent) were in mines cutting coal by hand. As indicated in the following tabulation, these proportions varied substantially by State.

Percent of production and related workers in underground mines by type of mine opening and primary mining method

Area	Type of mine opening			Mining method		
	Drift	Slope	Shaft	Cut by machine	Continuous-mining machine	Cut by hand
United States <sup>1</sup> -----	56	29	15	64	33	2
Alabama-----	22	78	(2)	82	11	7
Illinois-----	(2)	66	34	47	53	(2)
Kentucky-----	76	24	1	99	1	1
Ohio-----	20	27	53	56	44	(2)
Pennsylvania-----	33	49	17	31	69	(2)
Virginia-----	(2)	99	(2)	94	(2)	6
West Virginia-----	71	13	16	62	34	4

<sup>1</sup> Includes data for States in addition to those shown separately.

<sup>2</sup> Less than 0.5 percent.

NOTE: Because of rounding, sums of individual items may not equal 100.

Surface mining, accounting for approximately 15 percent of the workers covered by the survey, generally refers to strip or open-pit mining, although a small proportion (3 percent) of the surface-mine workers were in auger mines. In strip or open-pit mining, large machines rip away the earth's crust to expose coal seams. Auger mining uses a machine that extracts coal by drilling into a coal seam covered by overburden generally too thick to remove economically by conventional strip mining methods.

In terms of employment, underground mines are usually larger than surface mines. Thus, mines with 100 or more workers accounted for nearly three-fourths of the total employment in underground mines within scope of the survey, compared with about three-tenths in surface mines.

Men accounted for practically all of the production and related workers covered by the study. Slightly more than nine-tenths of the workers were paid on a time-rate basis. Eight percent of the workers in underground mines were paid incentive rates, most commonly based on individual production. Wage incentives were virtually nonexistent in surface mines.

Mines with collective bargaining agreements covering a majority of their production and related workers employed slightly more than four-fifths of the industry's work force. The proportion was nearly nine-tenths in underground mines, compared with three-fifths in surface mines. As illustrated in the following tabulation, the proportion of workers in union mines varied among the major coal-producing States. It should be noted that the survey excluded mines employing fewer than 10 workers; somewhat different estimates might result from their inclusion. The UMW (Ind.) accounted for all but about 2 percent of the workers in union mines. A few of the mines, notably in Illinois, had contracts with the Progressive Mine Workers Union (Ind.).

Area	Percent of production workers in mines with labor-management contracts		
	All mines	Underground mines	Surface mines
United States -----	80-85	85-90	60-65
Alabama -----	85-90	95+	-
Illinois -----	95+	95+	95+
Kentucky -----	75-80	75-80	-
Ohio -----	55-60	85-90	30-35
Pennsylvania -----	75-80	90-95	10-15
Virginia -----	60-65	60-65	-
West Virginia -----	85-90	85-90	-

NOTE: Dashes indicate insufficient data to warrant publication of estimates.

The survey was conducted at a time of general labor unrest in the bituminous coal industry. This unrest was particularly acute in the coal fields of eastern Kentucky. Chronic unemployment and loss of benefits paid through the UMWA Welfare Fund<sup>10</sup> contributed to this condition. Several months before the Bureau's study was conducted, many of the mines in the eastern Kentucky area (as well as some in other areas) reportedly stopped paying the royalty specified under contracts with UMWA; the operators insisted that they could not pay the royalty and stay in business. Although the Bureau's study was not designed to report on royalty payments, conversations with individual operators contributing to the study indicated that there were, as reported, several UMWA mines that did not pay the full royalty specified under contract in November 1962. It is not known what proportion of the workers were in such mines, but it is believed to be relatively small. In accordance with its announced policy<sup>11</sup> the UMWA reportedly withdrew benefits from members working in mines where full royalty payments were not being made.

Under UMWA Fund auspices, the Miners Memorial Hospital Association has operated 10 hospitals located in Kentucky, West Virginia, and Virginia. In October 1962, the fund announced it would divest itself of its interest in the 10 hospitals and would negotiate for their sale and transfer to other agencies.<sup>12</sup> On June 14, 1963, the Area Redevelopment Administration (ARA) in the Department of Commerce approved an application of the Board of National Missions of the United Presbyterian Church for a grant of \$3.9 million for purchase of the five Miners Memorial Hospitals in Kentucky located in Hazard, Harlan, McDowell, Middlesboro, and Whitesburg Counties. The remaining five hospitals will continue to be operated by the Miners Memorial Hospital Association for at least another year and if at a later date it seems advisable to include these hospitals in the group, the ARA within the limits of its authorized funds will give consideration to an application covering these remaining hospitals.<sup>13</sup>

<sup>10</sup> The UMWA Welfare and Retirement Fund is financed from royalty payments by signatory operators on each ton of coal produced for use or for sale. At the time of the study, the stipulated payment was 40 cents a ton.

<sup>11</sup> See U. M. W. A. Welfare and Retirement Fund, Report for the year ending June 30, 1963 (Washington, D. C.).

<sup>12</sup> Ibid.

<sup>13</sup> Press Release: Office of the White House Press Secretary, June 14, 1963.

Table 1. All Bituminous Coal Mines: Hourly Earnings Distribution

(Percent distribution of production workers by average straight-time hourly earnings, <sup>1</sup> United States, selected States and Coal Act Production Districts, November 1962)

Average hourly earnings <sup>1</sup>	United States <sup>2</sup>	Selected States									Selected Coal Act Production Districts <sup>3</sup>					
		Alabama	Illinois	Kentucky			Ohio	Pennsylvania	Virginia	West Virginia	1	2	3	7	8	13
				Total	East	West										
Under \$1.25-----	0.4	0.7	0.2	0.6	0.3	1.1	0.2	0.2	0.2	0.5	0.6	( <sup>4</sup> )	1.6	( <sup>4</sup> )	0.2	0.7
\$1.25 and under \$1.30-----	1.0	1.8	.1	1.8	2.6	.4	1.5	.3	2.3	.6	.8	0.1	.8	0.8	1.9	2.0
\$1.30 and under \$1.35-----	.1	1.3	( <sup>4</sup> )	( <sup>4</sup> )	-	.1	-	.2	-	.1	.6	-	.3	-	-	1.2
\$1.35 and under \$1.40-----	.5	.2	.3	1.6	2.1	.7	.3	.4	.9	.3	1.2	-	.7	.5	.7	.2
\$1.40 and under \$1.45-----	.4	.9	( <sup>4</sup> )	( <sup>4</sup> )	-	.1	.4	1.1	.4	.3	3.0	( <sup>4</sup> )	.6	.2	.1	.9
\$1.45 and under \$1.50-----	.1	.1	( <sup>4</sup> )	.2	.3	.1	.1	.1	.2	.2	.2	-	.2	.4	.1	.1
\$1.50 and under \$1.60-----	2.1	1.2	.7	5.7	8.4	.6	.8	2.3	5.3	1.2	5.8	.2	3.5	1.0	3.5	1.2
\$1.60 and under \$1.70-----	1.3	.6	.1	1.4	2.1	-	2.3	2.6	3.1	1.0	6.0	.7	2.3	1.3	1.3	.7
\$1.70 and under \$1.80-----	1.9	.1	.6	3.0	4.2	1.1	5.1	1.9	4.2	1.4	3.5	.9	2.6	3.1	1.9	.3
\$1.80 and under \$1.90-----	1.2	.7	.2	2.1	3.0	.6	2.5	.7	3.6	.9	1.7	.2	1.8	1.8	1.5	.7
\$1.90 and under \$2.00-----	.6	.5	.1	.2	.4	-	1.4	1.1	.9	.6	2.7	.2	1.6	.8	.3	.4
\$2.00 and under \$2.10-----	2.1	2.1	.3	1.9	2.6	.6	4.3	1.6	6.4	2.2	3.2	.7	5.0	2.1	2.4	2.1
\$2.10 and under \$2.20-----	1.7	2.4	.3	.6	.5	.9	3.2	.9	6.3	1.1	2.9	.1	3.8	.6	1.5	2.3
\$2.20 and under \$2.30-----	2.0	.6	.3	1.0	.8	1.3	3.1	1.8	3.7	3.3	3.9	.6	4.1	.6	3.4	.6
\$2.30 and under \$2.40-----	.8	1.2	.2	.5	.3	.8	2.2	.8	2.9	.6	1.7	.2	1.4	.3	.9	1.1
\$2.40 and under \$2.50-----	.6	2.0	( <sup>4</sup> )	.8	1.2	-	1.8	.6	.8	.4	1.1	.3	.6	.2	.8	2.0
\$2.50 and under \$2.60-----	1.3	1.4	.3	1.6	.6	3.4	1.3	1.3	.6	1.7	2.9	.3	1.4	1.6	1.3	1.6
\$2.60 and under \$2.70-----	.8	2.1	.1	1.0	-	3.0	4.3	.7	-	.4	.8	.6	.6	.1	.2	2.0
\$2.70 and under \$2.80-----	1.3	8.8	1.6	2.0	3.1	-	1.2	.6	.4	.7	1.3	.1	1.3	.9	1.0	8.4
\$2.80 and under \$2.90-----	2.5	27.7	.3	4.5	-	12.9	1.4	.4	.4	.6	.6	.3	1.3	.4	.2	26.3
\$2.90 and under \$3.00-----	3.1	17.9	.7	5.9	1.6	13.8	.5	1.6	2.5	1.9	.8	2.0	2.6	.7	2.2	17.0
\$3.00 and under \$3.10-----	24.9	12.3	15.5	25.5	23.8	28.6	15.6	30.5	16.4	29.5	20.7	36.2	23.0	32.8	25.5	13.4
\$3.10 and under \$3.20-----	13.8	8.7	8.4	12.5	14.2	9.3	13.6	17.1	10.9	15.7	12.2	20.0	11.2	15.3	15.0	9.7
\$3.20 and under \$3.30-----	7.9	2.6	15.3	6.1	5.9	6.6	4.8	6.9	6.7	7.3	5.7	7.6	4.9	7.1	7.5	3.3
\$3.30 and under \$3.40-----	21.0	.3	22.9	16.5	21.6	6.9	17.1	20.8	15.3	24.6	13.4	25.1	21.5	25.3	22.9	.3
\$3.40 and under \$3.50-----	2.9	.8	12.8	.3	.2	.7	5.5	1.7	2.9	1.4	.9	2.3	.6	1.3	1.6	.7
\$3.50 and under \$3.60-----	1.6	-	9.8	1.4	.4	3.2	1.0	.3	1.8	.9	.3	.4	-	.2	1.5	-
\$3.60 and under \$3.70-----	.8	.3	4.3	( <sup>4</sup> )	.1	-	2.4	.3	.2	.3	.1	.4	.2	.2	.3	.3
\$3.70 and under \$3.80-----	.2	-	.6	-	-	-	.1	.2	.2	.1	.2	-	.1	.4	.1	-
\$3.80 and under \$3.90-----	.4	-	3.1	.5	-	1.3	( <sup>4</sup> )	.3	-	.1	.6	.2	.1	.1	( <sup>4</sup> )	-
\$3.90 and under \$4.00-----	.4	.1	.6	.7	( <sup>4</sup> )	1.9	-	( <sup>4</sup> )	-	( <sup>4</sup> )	( <sup>4</sup> )	-	-	( <sup>4</sup> )	( <sup>4</sup> )	.1
\$4.00 and over-----	.4	.4	.2	.1	-	.2	2.1	.6	.4	.2	.8	.5	.2	.1	.2	.4
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	100.0	100.0	100.0
Number of workers-----	96,949	5,249	7,634	12,408	8,093	4,315	4,929	16,483	6,639	33,695	6,218	10,340	8,882	9,932	29,407	5,531
Average hourly earnings <sup>1</sup> -----	\$2.95	\$2.76	\$3.27	\$2.82	\$2.74	\$2.96	\$2.83	\$2.94	\$2.65	\$2.98	\$2.62	\$3.13	\$2.76	\$2.98	\$2.90	\$2.77

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.

<sup>2</sup> Includes data for States in addition to those shown separately.

<sup>3</sup> See appendix A for definition of Coal Act Production Districts used in this and subsequent tables. Data for Illinois, West Kentucky, and Ohio which correspond to Coal Act Production Districts 10, 9, and 4, respectively, are provided under the State listings and are not repeated here.

<sup>4</sup> Less than 0.05 percent.

NOTE: Because of rounding, sums of individual items may not equal 100.

Table 2. All Bituminous Coal Mines: Weekly Earnings Distribution

(Percent distribution of production workers by average straight-time weekly earnings,<sup>1</sup> United States, selected States and Coal Act Production Districts, November 1962)

Average weekly earnings <sup>1</sup>	United States <sup>2</sup>	Selected States									Selected Coal Act Production Districts					
		Alabama	Illinois	Kentucky			Ohio	Pennsylvania	Virginia	West Virginia	1	2	3	7	8	13
				Total	East	West										
Under \$25.....	0.8	0.7	0.3	0.4	0.5	0.3	0.5	1.0	0.9	1.1	0.7	1.3	1.8	1.0	0.7	0.7
\$25 and under \$30.....	.5	.4	.2	.1	.1	.1	.3	.4	.4	.8	.7	.2	.9	.6	.5	.4
\$30 and under \$35.....	.4	.8	.1	.2	.3	.1	.1	.1	.9	.5	.3	( <sup>3</sup> )	1.2	.8	.3	.8
\$35 and under \$40.....	.4	.6	.1	.1	.1	.2	.3	.3	.8	.5	.4	.3	1.1	.9	.2	.6
\$40 and under \$45.....	.8	1.0	.1	.7	.9	.3	.8	.7	.5	.7	1.0	.4	1.1	1.2	.9	1.0
\$45 and under \$50.....	1.2	2.2	.1	1.0	1.3	.4	1.4	1.2	3.0	1.2	.9	1.4	2.2	1.6	1.2	2.0
\$50 and under \$55.....	1.4	1.9	.4	1.8	2.6	.3	2.6	1.3	2.9	1.2	1.4	1.2	1.6	1.5	1.7	2.1
\$55 and under \$60.....	1.0	1.4	.7	1.8	2.2	1.0	.6	1.1	2.5	.8	1.6	.9	1.4	1.7	1.1	1.3
\$60 and under \$65.....	2.1	1.4	.3	5.2	7.5	.9	.9	2.9	5.0	1.2	3.9	2.4	2.9	.9	3.4	1.6
\$65 and under \$70.....	1.4	2.4	.5	.8	1.1	.2	2.2	2.3	2.4	1.1	3.4	1.8	2.5	1.0	1.0	2.4
\$70 and under \$75.....	5.3	3.5	1.1	3.9	5.4	1.0	3.7	12.2	5.7	2.3	11.0	12.9	2.4	5.4	2.7	3.5
\$75 and under \$80.....	3.1	.8	.9	.8	.6	1.3	2.0	9.2	2.3	1.5	6.3	10.8	1.6	1.3	1.4	.8
\$80 and under \$85.....	4.0	2.0	1.0	3.2	4.5	.8	3.8	6.3	6.5	3.0	6.7	6.0	4.6	4.7	3.1	1.9
\$85 and under \$90.....	2.1	7.8	.7	.6	.8	.4	3.7	3.8	3.0	1.2	3.2	4.4	2.6	.8	1.1	7.4
\$90 and under \$95.....	3.6	17.7	.8	1.1	1.1	1.2	5.6	4.3	2.1	2.5	5.7	3.4	3.4	1.5	1.9	16.8
\$95 and under \$100.....	5.1	13.7	2.4	1.3	1.3	1.2	7.6	6.1	2.8	5.9	5.2	6.6	7.1	5.7	1.9	13.0
\$100 and under \$105.....	3.8	3.4	2.6	2.9	1.2	6.3	6.7	4.3	1.0	4.7	4.8	3.9	6.1	3.2	2.3	3.3
\$105 and under \$110.....	3.1	2.7	2.9	3.6	2.3	5.9	5.7	3.0	.7	3.4	3.2	2.9	4.2	3.6	1.5	2.6
\$110 and under \$115.....	3.8	11.8	5.0	6.7	5.1	9.7	5.1	2.9	1.5	2.6	3.2	2.6	3.3	1.3	3.3	12.3
\$115 and under \$120.....	6.0	10.2	3.3	10.1	7.7	14.5	6.7	3.5	8.5	5.7	4.0	3.2	4.9	5.0	7.6	9.8
\$120 and under \$125.....	16.4	5.3	8.8	25.9	25.4	26.8	10.8	10.3	18.0	19.3	11.0	9.9	13.8	22.9	22.5	6.7
\$125 and under \$130.....	8.9	2.6	5.4	8.6	11.3	3.5	9.2	6.1	11.0	11.6	5.6	6.3	7.8	11.0	13.1	2.7
\$130 and under \$135.....	10.9	1.4	8.4	10.5	15.6	1.0	6.9	6.3	14.3	14.9	7.1	5.8	9.7	16.2	17.0	2.2
\$135 and under \$140.....	2.3	1.1	8.4	1.0	.1	2.6	2.0	1.7	.3	2.5	2.2	1.4	2.4	.8	2.0	1.1
\$140 and under \$145.....	1.6	.7	4.5	.8	.2	1.9	2.7	1.4	.4	1.6	1.6	1.3	1.6	.5	1.3	.6
\$145 and under \$150.....	2.5	.4	9.0	1.6	( <sup>3</sup> )	4.4	1.9	2.0	1.1	2.5	1.8	2.1	2.1	1.7	1.9	.4
\$150 and under \$155.....	1.7	.5	5.2	1.0	( <sup>3</sup> )	2.7	1.4	1.5	.6	1.6	.9	1.8	1.4	.6	1.3	.4
\$155 and under \$160.....	1.1	.3	4.1	.7	.2	1.4	1.6	.4	.1	1.6	.4	.4	.4	.7	.4	.3
\$160 and under \$165.....	1.5	.2	4.6	.3	.1	.7	1.3	1.6	.5	1.6	.8	2.1	1.5	.5	1.4	.2
\$165 and under \$170.....	.8	.1	4.0	.7	.1	1.8	.4	.4	-	.6	.4	.4	.5	.2	.4	.1
\$170 and under \$175.....	.6	( <sup>3</sup> )	3.2	.6	.4	.9	.8	.2	-	.4	.1	.3	.6	.2	.3	( <sup>3</sup> )
\$175 and over.....	2.1	.9	10.9	2.2	( <sup>3</sup> )	6.3	.7	1.1	.3	1.0	.4	1.5	1.2	.9	.5	.8
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	100.0	100.0	100.0
Number of workers.....	96,949	5,249	7,634	12,408	8,093	4,315	4,929	16,483	6,639	33,695	6,218	10,340	8,882	9,932	29,407	5,531
Average weekly hours <sup>4</sup> .....	37.5	35.5	42.0	39.5	39.0	41.5	38.5	34.0	38.5	38.0	38.0	32.0	38.0	36.5	39.0	35.5
Average weekly earnings <sup>5</sup> .....	\$111.00	\$97.50	\$138.00	\$112.00	\$106.50	\$123.00	\$108.50	\$100.00	\$102.00	\$113.50	\$99.00	\$100.50	\$105.00	\$109.00	\$113.50	\$98.00

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.

<sup>2</sup> Includes data for States in addition to those shown separately.

<sup>3</sup> Less than 0.05 percent.

<sup>4</sup> Average weekly hours were rounded to the nearest half hour.

<sup>5</sup> Average weekly earnings were rounded to the nearest half dollar.

NOTE: Because of roundings, sums of individual items may not equal 100.

## Part I: Underground Mines

### Average Hourly Earnings

Straight-time hourly earnings of the 82,186 production and related workers in underground mines covered by the study averaged \$2.97 in November 1962 (table 3). The seven States for which separate data are provided accounted for nine-tenths of the employment in this branch of the industry. Average hourly earnings among these States ranged from \$3.16 in Illinois to \$2.63 in Virginia. Workers in West Virginia, accounting for two-fifths of the employment in underground mines, averaged \$3 an hour. Data are also provided separately for six Coal Act Production (CAP) Districts, in addition to Illinois and Ohio, each of which constitutes a CAP District.<sup>14</sup>

Differences in average hourly earnings among the selected States and CAP Districts were considerably less when the comparisons were limited to mines having labor-management contract agreements. As indicated in table 3, average hourly earnings of workers in such mines in the four States for which separate data are available (Kentucky, Pennsylvania, Virginia, and West Virginia) were closely grouped around the national average of \$3.11. In each of these States and for the Nation as a whole, average hourly earnings were considerably higher in union mines than in mines not having union contract agreements. Nationwide, the difference was \$1.13; among the four States, the differences were 94 cents in Pennsylvania, \$1.05 in West Virginia, \$1.19 in Kentucky, and \$1.20 in Virginia.

Workers in underground mines employing 100 or more averaged 70 cents an hour more than workers in the smaller underground mines. The wage advantage of workers in the larger mines amounted to 31 cents in Pennsylvania and 60 cents in West Virginia. In CAP Districts 3—Northern West Virginia, and 8—Southern No. 2, the difference was 93 cents. As indicated in the following tabulation, mines with labor-management contracts accounted for a much larger proportion of the workers in mines employing 100 or more than of those in the smaller underground mines.

Area	Percent of production workers in mines with labor-management contracts employing—	
	100 or more workers	Fewer than 100 workers
United States -----	98	56
Pennsylvania-----	100	63
West Virginia-----	98	64

Three-fourths of the workers in underground mines earned between \$3 and \$3.50 an hour (table 4). All but a small proportion of the remainder earned less than \$3 an hour. This concentration of individual earnings within a comparatively narrow range reflects the large proportion of workers covered by UMWA contracts. Although the rates of pay established by these contracts vary somewhat by location and by occupation, these differences are not usually large. As illustrated in the tabulation on the following page, individual earnings in Virginia, with the smallest proportion of union workers, were more widely dispersed than those in other States.

<sup>14</sup> See appendix A for definition of Coal Act Production Districts.

Percent of production workers in underground mines earning specified amounts an hour

Area	Percent of production workers in underground mines earning specified amounts an hour				
	Under \$2.00	\$2.00 and under \$2.50	\$2.50 and under \$3.00	\$3.00 and under \$3.50	\$3.50 and over
United States-----	8.2	6.0	8.7	76.3	1.0
Alabama-----	8.9	5.2	60.0	25.2	.6
Illinois-----	2.5	1.6	3.7	91.7	.5
Kentucky-----	19.0	4.0	13.5	63.1	.3
East-----	23.5	5.1	2.7	68.1	.4
West-----	6.5	1.0	43.2	49.2	.1
Ohio-----	4.9	6.0	1.8	86.1	1.2
Pennsylvania-----	2.5	1.7	3.1	91.4	1.2
Virginia-----	21.9	20.7	4.0	53.0	.5
West Virginia-----	6.5	6.5	5.1	80.5	1.5

NOTE: Because of rounding, sums of individual items may not equal 100.

Another factor contributing to the comparatively narrow range of individual hourly earnings was the extensive use of time rates of pay; incentive methods of wage payment accounted for only 8 percent of the workers in underground mines.

#### Average Weekly Earnings

Workers in underground mines averaged \$109 a week in November 1962. Among the seven major coal-producing States, straight-time average weekly earnings ranged from \$130.50 in Illinois to \$95 in Alabama; weekly averages in the other five States were between \$101 and \$114. Because of differences in average weekly hours worked, the relative pay positions of the several States based on weekly earnings were somewhat different from those based on hourly earnings. For example, workers in Virginia averaged 15 cents an hour less than those in Alabama, but because of a longer workweek (38½ compared with 34 hours) averaged \$6 a week more. Although workers in Kentucky earned 35 cents an hour less than workers in Pennsylvania, average weekly earnings of the former exceeded those of the latter by \$7.

Nationwide, workers in mines with labor-management contract agreements averaged \$38 a week more than those in mines not having such agreements, but were employed an average of 2 hours less a week. Having approximately the same number of hours, workers in mines employing 100 or more averaged \$24.50 a week more than workers in the smaller mines.

Individual weekly earnings were more widely dispersed than hourly earnings. Approximately 4 percent of the workers earned less than \$50 a week at the time of the study; 11.6 percent earned between \$50 and \$75; 18 percent earned between \$75 and \$100; 34.5 percent earned between \$100 and \$125; 26.7 percent earned between \$125 and \$150; and slightly more than 5 percent earned \$150 a week or more (table 5). Information on the distribution of weekly earnings by hours worked is provided in table 6.

#### Occupational Earnings

The occupational classifications for which average straight-time hourly and weekly earnings are presented in table 7 accounted for approximately four-fifths of the production workers in underground mines within scope of the survey.

Nationwide, hourly averages for these jobs ranged from \$3.32 for maintenance electricians, working above the ground, to \$2.15 for hand loaders and \$2.13 for pick miners. Of the six occupations averaging \$3.25 or more an hour, five were journeymen maintenance workers; operators of continuous-mining machines averaged \$3.28. Averages between \$3 and \$3.25 an hour were recorded for 25 of the occupations, including such jobs as maintenance trades helpers, drilling-machine operators, loading-machine operators, oilers and greasers, shuttle-car operators, and roof bolters. Jobs as hand loaders and pick miners were the only ones averaging less than \$2.65 an hour. Accounting for approximately 8 percent of the total employment in underground mines, workers in these jobs were, for the most part, in the smaller, nonmechanized mines.

Average weekly earnings for all but eight of the jobs ranged from \$100 to \$120. Inside (underground) jobs averaging \$120 or more a week included: Maintenance electricians (\$133); maintenance mechanics (\$125.50); maintenance electricians' helpers (\$122); and loading-machine operators, combination coal and rock (\$120). Hand loaders averaged \$73 a week and pick miners, working only 25½ hours, \$54. Among the outside workers, maintenance electricians averaged \$125 and truckdrivers, other than trailer type, \$99.50.

Occupational earnings were tabulated by State, CAP District, size of mine, and labor-management contract status. Nationwide and in each of the States and Districts where comparisons were possible, occupational hourly earnings were almost always higher in mines employing 100 or more than in smaller mines (table 8), and higher in mines with union contracts than in those not having such contracts (table 9).

Hourly earnings of individuals performing similar tasks were usually grouped within comparatively narrow ranges (tables 10 through 15). For example, more than four-fifths of the continuous-mining-machine operators and maintenance mechanics (inside) earned between \$3.30 and \$3.40 an hour; a similar proportion of shuttle-car operators and motormen (inside) earned between \$3 and \$3.10. Hourly earnings of hand loaders, however, were widely dispersed. These workers were, for the most part, employed in the smaller mines which usually did not have collective bargaining agreements.

Reflecting differences in hours of work, weekly earnings of these workers were more widely distributed than were hourly earnings (tables 16 through 21).

#### Establishment Practices and Supplementary Wage Provisions

Data were also obtained on work schedules, shift practices, and selected supplementary benefits including paid holidays and vacations, retirement plans, life insurance, sickness and accident insurance, hospitalization, surgical, and medical benefits.

Scheduled Weekly Hours and Overtime Pay. Typically, different work schedules applied to inside workers and to those working outside the mine on non-continuous operations.<sup>15</sup> Seven-tenths of those employed underground (inside) were scheduled to work 40 hours a week; a 36¼-hour workweek applied to three-fifths of the outside workers (table 22). Work schedules for each group usually included a 30-minute paid lunch period each day. Only about a tenth of the workers in underground mines did not receive this benefit. Time required to travel from the mine opening to the working face was included in the regular work schedule for more than nine-tenths of the inside workers.

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<sup>15</sup> Less than 1 percent of the employment in underground mines was accounted for by outside workers on continuous operations, such as engineers and hoistmen. Work schedules for these workers were generally similar to those for inside workers.

More than four-fifths of the inside workers were in mines providing time and one-half the regular rate for all work performed in excess of 8 hours a day and virtually all (97 percent) inside workers were in mines paying this premium rate for work over 40 hours a week. Approximately three-fourths of the outside workers (noncontinuous operations) were employed by mines paying time and one-half after  $7\frac{1}{4}$  hours a day or  $36\frac{1}{4}$  hours a week; most of the remaining workers in mines having formal overtime pay provisions were eligible to receive time and one-half pay for work after 8 hours a day or 40 hours a week (table 23).

Shift Differential Practices. Approximately three-tenths of the workers were employed on second-shift operations at the time of the study (table 24). The large majority of these workers received 4 cents an hour above day-shift rates. Third-shift operations accounted for a tenth of the workers; nearly all of these received 6 cents above day-shift rates.

Paid Holidays. Provisions for paid holidays were virtually nonexistent in this branch of the industry.

Paid Vacations. Paid vacations, after qualifying periods of service, were provided by underground mines accounting for 86 percent of the workers in this branch of the industry. With only a few exceptions, these workers received a \$200 vacation payment after 1 year or more of service. Pro rata payments were provided workers with less than a year of service. Most of the workers not eligible for vacation payments were in mines not having labor-management contract agreements. A few of the union mines, however, reported that they did not provide vacation pay during the year of the study.

Health, Insurance, and Pension Plans. Hospital and medical care benefits to miners and their dependents, benefits to widows and orphans, and pension benefits were paid by the UMWA Welfare and Retirement Fund. Created in 1950, the fund is organized and administered (as a separate entity) independently of the union and the coal operators, and derives its revenue from royalty payments on each ton of coal produced for use or for sale by signatory operators.

Hospitalization, medical, and surgical benefits available to eligible beneficiaries included hospitalization for the length of time necessary in the opinion of the attending physician, physicians' services and drugs in the hospital, specialists' services on an in-patient and out-patient basis, physical rehabilitation services, and certain drugs requiring long continued use outside the hospital. Although mines having contracts with UMWA accounted for 86 percent of the workers in underground mines, the proportions of workers eligible for these benefits were somewhat lower. Recently, the fund announced that the eligibility of miners for these benefits would be terminated if it was determined that their employer was in flagrant violation of the agreement to pay the full amount of royalty (40 cents a ton) to the trust fund.<sup>16</sup> The Bureau's study was not designed to obtain information on the status of mines with respect to royalty payments and it is not possible to determine the exact proportions of workers eligible for such benefits.

Widows and orphans benefits included cash payments of \$50 a month for 11 months with a \$100 payment for the twelfth and last month. Also included was a funeral expense benefit of \$350.

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<sup>16</sup> Footnote 11, op. cit.

Pension benefits amounted to \$75 a month at the time of the study. Pensioners and their dependents were also eligible for hospital and medical care benefits paid entirely by the fund.

Approximately a third of the workers in mines not having contracts with UMWA were provided some form of health, insurance, or pension benefits. The most common types of plans reported were life insurance, accidental death and dismemberment insurance, sickness and accident insurance, hospitalization, surgical and medical insurance (table 25). Among the States for which separate data are provided, the porportion of workers in non-UMWA mines that were eligible for these benefits was greatest in Illinois.

Approximately one-fourth of the workers in Virginia and a fifth in Kentucky were in mines that did not provide any of the health, insurance, or pension benefits studied.

Table 3. Underground Mines: Average Earnings by Selected Characteristics

(Number, average weekly hours worked, and average straight-time earnings<sup>1</sup> of production workers by selected characteristics, United States, selected States and Coal Act Production Districts, November 1962)

Item	Number of workers	Average			Item	Number of workers	Average		
		Hourly earnings	Weekly hours <sup>2</sup>	Weekly earnings <sup>3</sup>			Hourly earnings	Weekly hours <sup>2</sup>	Weekly earnings <sup>3</sup>
United States, all mines <sup>4</sup> .....	82,186	\$2.97	36.5	\$109.00	<u>Selected States—Continued</u>				
Size of mine:					West Virginia.....	32,511	\$3.00	38.0	\$114.00
10-99 workers.....	21,619	\$2.45	37.0	\$91.00	Size of mine:				
100 or more workers.....	60,567	3.15	36.5	115.50	10-99 workers.....	9,291	2.57	37.0	95.00
Labor-management contract status:					100 or more workers.....	23,220	3.17	38.5	122.00
Mines with—					Labor-management contract status:				
Majority covered.....	71,484	3.11	36.5	114.00	Mines with—				
None or minority covered.....	10,702	1.98	38.5	76.00	Majority covered.....	28,809	3.12	38.0	118.50
					None or minority covered.....	3,702	2.07	38.0	78.50
<u>Selected States</u>					<u>Selected Coal Act Production Districts<sup>5</sup></u>				
Alabama, all mines.....	4,691	2.78	34.0	95.00	District 1.—Eastern Pennsylvania,				
Illinois, all mines.....	4,824	3.16	41.5	130.50	all mines.....	4,106	2.96	35.0	103.50
Kentucky, all mines.....	10,510	2.77	39.0	108.50	Labor-management contract status:				
Labor-management contract status:					Mines with—				
Mines with—					Majority covered.....	3,191	3.18	34.5	109.00
Majority covered.....	7,877	3.07	39.0	120.00	None or minority covered.....	915	2.18	38.5	84.00
None or minority covered.....	2,633	1.88	39.5	74.50	District 2.—Western Pennsylvania,				
East Kentucky.....	7,740	2.74	39.0	106.50	all mines.....	9,632	3.18	31.5	100.00
West Kentucky.....	2,770	2.84	40.0	114.00	District 3.—Northern West Virginia,				
Ohio, all mines.....	2,428	3.04	36.0	109.00	all mines.....	8,062	2.82	38.0	107.50
Pennsylvania, all mines.....	13,663	3.12	32.5	101.50	Size of mine:				
Size of mine:					10-99 workers.....	3,080	2.25	37.0	83.00
10-99 workers.....	2,451	2.87	37.5	108.00	100 or more workers.....	4,982	3.18	38.5	122.50
100 or more workers.....	11,212	3.18	31.5	100.00	Labor-management contract status:				
Labor-management contract status:					Mines with—				
Mines with—					Majority covered.....	5,446	3.17	39.0	123.00
Majority covered.....	12,808	3.18	32.0	102.50	None or minority covered.....	2,616	2.10	35.5	75.00
None or minority covered.....	855	2.24	38.5	86.00	District 7.—Southern No. 1, all mines.....	9,908	2.98	36.5	109.00
Virginia, all mines.....	6,436	2.63	38.5	101.00	District 8.—Southern No. 2, all mines.....	28,511	2.90	39.0	113.50
Labor-management contract status:					Size of mine:				
Mines with—					10-99 workers.....	8,005	2.23	39.0	87.00
Majority covered.....	3,973	3.09	38.5	119.50	100 or more workers.....	20,506	3.16	39.0	123.50
None or minority covered.....	2,463	1.89	37.5	70.50	Labor-management contract status:				
					Mines with—				
					Majority covered.....	23,784	3.10	39.0	121.00
					None or minority covered.....	4,727	1.86	41.0	76.00
					District 13.—Southeastern, all mines.....	4,973	2.78	34.5	95.50

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.<sup>2</sup> Average weekly hours were rounded to the nearest half hour.<sup>3</sup> Average weekly earnings were rounded to the nearest half dollar.<sup>4</sup> Includes data for States in addition to those shown separately.<sup>5</sup> See appendix A for definition of Coal Act Production Districts.

Table 4. Underground Mines: Hourly Earnings Distribution

(Percent distribution of production workers by average straight-time hourly earnings, <sup>1</sup> United States, selected States and Coal Act Production Districts, November 1962)

Average hourly earnings <sup>1</sup>	United States <sup>2</sup>	Selected States									Selected Coal Act Production Districts					
		Alabama	Illinois	Kentucky			Ohio	Pennsylvania	Virginia	West Virginia	1	2	3	7	8	13
				Total	East	West										
Under \$1.25	0.4	0.8	0.3	0.6	0.2	1.4	-	0.2	0.2	0.5	0.6	( <sup>3</sup> )	1.8	( <sup>3</sup> )	0.2	0.8
\$1.25 and under \$1.30	1.0	1.7	.2	2.1	2.7	.6	1.1	( <sup>3</sup> )	2.4	.6	.2	( <sup>3</sup> )	.8	0.8	1.9	2.1
\$1.30 and under \$1.35	.2	1.4	( <sup>3</sup> )	( <sup>3</sup> )	-	.1	-	.1	-	.1	.6	-	.4	-	-	1.3
\$1.35 and under \$1.40	.5	.3	.5	1.9	2.1	1.2	.1	.1	1.0	.2	.2	-	.5	.5	.8	.3
\$1.40 and under \$1.45	.2	1.0	-	( <sup>3</sup> )	-	.1	.4	.1	.4	.3	.5	( <sup>3</sup> )	.7	.2	.1	1.0
\$1.45 and under \$1.50	.1	.1	.1	.1	.1	.1	.1	( <sup>3</sup> )	.2	.2	.1	-	.3	.4	.1	.1
\$1.50 and under \$1.60	2.0	1.4	.6	6.6	8.6	.9	.6	.6	5.4	1.1	2.3	( <sup>3</sup> )	3.3	1.0	3.6	1.3
\$1.60 and under \$1.70	1.0	.8	( <sup>3</sup> )	1.6	2.2	-	.8	.5	3.2	.9	1.9	-	1.8	1.3	1.3	.7
\$1.70 and under \$1.80	1.4	.1	.6	3.3	4.1	1.2	.6	.3	4.4	1.4	1.0	-	2.4	3.1	1.9	.3
\$1.80 and under \$1.90	1.0	.8	( <sup>3</sup> )	2.5	3.1	.9	.5	.1	3.7	.8	.5	-	1.8	1.8	1.5	.7
\$1.90 and under \$2.00	.4	.5	.1	.3	.4	-	.7	.4	1.0	.4	1.3	-	.6	.8	.3	.5
\$2.00 and under \$2.10	1.9	1.7	.4	2.1	2.6	.7	3.3	.4	6.7	2.0	1.4	( <sup>3</sup> )	4.5	2.1	2.5	1.7
\$2.10 and under \$2.20	1.4	1.4	.5	.4	.5	-	1.6	.3	6.4	.7	1.8	-	2.2	.6	1.6	1.3
\$2.20 and under \$2.30	1.7	.5	.4	.5	.6	.3	.7	.7	3.8	2.9	2.2	-	2.6	.6	3.4	.4
\$2.30 and under \$2.40	.6	1.3	.2	.2	.3	-	.2	.2	3.0	.5	.7	-	1.1	.3	.9	1.3
\$2.40 and under \$2.50	.4	.3	.1	.8	1.1	-	.2	.1	.8	.4	.3	-	.5	.2	.7	.4
\$2.50 and under \$2.60	1.2	.4	.4	1.7	.6	4.9	.6	.8	.6	1.6	2.5	-	1.2	1.5	1.3	.6
\$2.60 and under \$2.70	.4	1.0	.2	1.1	-	4.1	.2	-	.3	.3	-	-	.6	.1	.2	1.0
\$2.70 and under \$2.80	1.0	8.6	1.4	.4	.5	-	.3	.3	.4	.6	1.0	( <sup>3</sup> )	.9	.9	.3	8.2
\$2.80 and under \$2.90	2.8	31.0	.5	5.3	-	19.9	.2	.3	.4	.6	.4	0.2	1.3	.4	.2	29.3
\$2.90 and under \$3.00	3.3	19.0	1.2	5.0	1.6	14.3	.5	1.7	2.6	2.0	1.1	1.9	2.9	.7	2.3	18.0
\$3.00 and under \$3.10	29.0	12.6	24.4	29.2	24.8	41.6	30.1	36.7	16.8	30.5	31.2	38.7	25.2	32.8	26.2	13.7
\$3.10 and under \$3.20	15.5	9.8	12.1	12.7	14.7	7.1	20.5	20.1	11.3	16.1	17.1	21.3	12.4	15.3	15.2	10.8
\$3.20 and under \$3.30	8.0	2.6	24.2	4.4	5.9	.3	8.3	7.8	6.5	7.3	7.8	7.8	5.4	7.2	7.4	3.4
\$3.30 and under \$3.40	22.0	.1	18.9	16.7	22.6	.2	26.0	24.8	15.6	25.4	20.2	26.6	23.7	25.4	23.4	.1
\$3.40 and under \$3.50	1.8	.1	12.1	.1	.1	-	1.2	2.0	2.8	1.2	.9	2.4	.6	1.3	1.4	.1
\$3.50 and over	1.0	.6	.5	.3	.4	.1	1.2	1.2	.5	1.5	2.0	.9	.7	.9	1.4	.6
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	100.0	100.0	100.0
Number of workers	82,186	4,691	4,824	10,510	7,740	2,770	2,428	13,663	6,436	32,511	4,106	9,632	8,062	9,908	28,511	4,973
Average hourly earnings <sup>1</sup>	\$2.97	\$2.78	\$3.16	\$2.77	\$2.74	\$2.84	\$3.04	\$3.12	\$2.63	\$3.00	\$2.96	\$3.18	\$2.82	\$2.98	\$2.90	\$2.78

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.

<sup>2</sup> Includes data for States in addition to those shown separately.

<sup>3</sup> Less than 0.05 percent.

NOTE: Because of rounding, sums of individual items may not equal 100.

Table 5. Underground Mines: Weekly Earnings Distribution

(Percent distribution of production workers by average straight-time weekly earnings,<sup>1</sup> United States, selected States and Coal Act Production Districts, November 1962)

Average weekly earnings <sup>1</sup>	United States <sup>2</sup>	Selected States									Selected Coal Act Production Districts					
		Alabama	Illinois	Kentucky			Ohio	Pennsylvania	Virginia	West Virginia	1	2	3	7	8	13
				Total	East	West										
Under \$25	0.8	0.6	0.2	0.4	0.5	0.1	0.5	0.9	0.9	1.1	0.3	1.2	1.9	1.0	0.7	0.6
\$25 and under \$30	.5	.4	.1	.1	.1	.1	.2	.3	.4	.8	.4	.2	.9	.6	.5	.4
\$30 and under \$35	.4	.9	-	.2	.3	.1	.1	.1	.9	.5	.4	( <sup>3</sup> )	1.3	.8	.3	.8
\$35 and under \$40	.4	.6	-	.2	.1	.3	.2	.3	.9	.4	.4	.3	.9	.9	.2	.7
\$40 and under \$45	.8	1.1	.1	.8	.9	.4	.8	.5	.5	.7	.7	.5	.8	1.2	1.0	1.1
\$45 and under \$50	1.3	2.4	.2	1.2	1.3	.6	1.9	1.2	3.1	1.2	.6	1.4	2.4	1.6	1.2	2.3
\$50 and under \$55	1.4	2.2	.6	2.1	2.7	.4	3.9	1.2	2.9	1.1	1.1	1.3	1.2	1.5	1.7	2.3
\$55 and under \$60	1.1	1.6	1.1	2.0	2.3	1.2	.8	.9	2.5	.8	.9	.9	1.3	1.7	1.1	1.5
\$60 and under \$65	2.3	1.6	.2	6.0	7.8	1.2	.7	2.7	5.2	1.2	3.3	2.5	3.1	.9	3.5	1.8
\$65 and under \$70	1.3	2.7	.4	.9	1.1	.3	.9	2.1	2.4	.9	3.2	1.7	2.0	1.0	1.0	2.7
\$70 and under \$75	5.5	3.4	.6	4.4	5.5	1.4	3.5	12.5	5.9	2.2	11.2	13.0	2.0	5.5	2.8	3.5
\$75 and under \$80	3.2	.9	1.1	.6	.4	1.4	1.9	9.7	2.4	1.5	5.4	11.4	1.5	1.3	1.4	.9
\$80 and under \$85	4.1	1.9	1.3	3.6	4.6	.8	2.5	5.7	6.7	2.7	5.4	5.8	3.6	4.8	3.1	1.8
\$85 and under \$90	1.9	8.5	.5	.6	.7	.3	2.7	3.5	3.1	.9	2.6	4.2	1.7	.8	1.2	8.0
\$90 and under \$95	3.5	19.6	.8	1.1	1.1	1.0	4.6	3.8	2.2	2.2	4.0	3.6	2.4	1.5	2.0	18.5
\$95 and under \$100	5.3	14.6	3.0	1.3	1.4	1.0	7.0	6.3	2.9	5.9	5.0	6.8	7.3	5.7	1.9	13.8
\$100 and under \$105	3.8	3.1	3.5	3.3	1.2	8.9	6.6	4.0	1.1	4.7	4.6	3.7	6.1	3.2	2.3	3.1
\$105 and under \$110	2.9	1.9	3.4	3.0	2.4	4.5	5.1	2.8	.6	3.4	3.3	2.6	4.1	3.5	1.6	1.8
\$110 and under \$115	3.6	12.7	6.9	5.3	2.6	12.9	2.5	2.5	1.6	2.6	2.7	2.5	3.2	1.3	2.7	13.2
\$115 and under \$120	6.1	9.5	4.7	10.3	8.0	16.7	8.4	2.8	8.3	5.9	2.9	2.7	5.3	5.0	7.6	9.0
\$120 and under \$125	18.1	5.0	11.0	29.0	26.4	36.2	14.4	11.4	18.6	19.8	14.6	9.9	15.0	22.9	23.0	6.6
\$125 and under \$130	9.2	2.2	5.5	8.8	11.6	1.0	10.9	6.7	10.0	11.7	7.5	6.3	8.5	11.0	12.9	2.4
\$130 and under \$135	12.0	.6	10.1	11.8	16.0	.2	9.2	7.3	14.1	15.2	10.1	6.0	10.6	16.2	17.1	1.5
\$135 and under \$140	2.1	.6	10.7	.6	.1	2.2	2.4	1.6	.3	2.4	1.9	1.4	2.6	.8	1.8	.6
\$140 and under \$145	1.3	.2	4.9	.4	.1	1.0	1.6	1.2	.4	1.6	1.3	1.1	1.8	.5	1.3	.2
\$145 and under \$150	2.1	.1	8.5	.5	.1	1.7	2.1	2.4	.8	2.5	2.5	2.3	2.3	1.7	1.9	.1
\$150 and under \$155	1.4	.1	3.8	.6	.1	2.1	2.0	1.7	.6	1.6	1.2	2.0	1.5	.6	1.3	.1
\$155 and under \$160	.6	.2	3.5	.3	.2	.4	.3	.4	.1	.6	.4	.4	.5	.6	.4	.2
\$160 and under \$165	1.4	.2	4.0	.2	.1	.3	2.0	1.9	.5	1.7	1.2	2.2	1.7	.5	1.4	.2
\$165 and under \$170	.5	.1	2.4	.2	.1	.5	.4	.3	-	.5	.3	.3	.6	.2	.4	.1
\$170 and under \$175	.4	( <sup>3</sup> )	1.6	.3	.4	.1	-	.3	-	.4	.1	.3	.6	.2	.3	( <sup>3</sup> )
\$175 and over	.9	.1	4.9	.2	-	.6	-	1.3	.1	1.0	.6	1.6	1.3	.9	.5	.1
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	100.0	100.0	100.0
Number of workers	82,186	4,691	4,824	10,510	7,740	2,770	2,428	13,663	6,436	32,511	4,106	9,632	8,062	9,908	28,511	4,973
Average weekly hours <sup>4</sup>	36.5	34.0	41.5	39.0	39.0	40.0	36.0	32.5	38.5	38.0	35.0	31.5	38.0	36.5	39.0	34.5
Average weekly earnings <sup>5</sup>	\$109.00	\$95.00	\$130.50	\$108.50	\$106.50	\$114.00	\$109.00	\$101.50	\$101.00	\$114.00	\$103.50	\$100.50	\$107.50	\$109.00	\$113.50	\$95.50

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.<sup>2</sup> Includes data for States in addition to those shown separately.<sup>3</sup> Less than 0.05 percent.<sup>4</sup> Average weekly hours were rounded to the nearest half hour.<sup>5</sup> Average weekly earnings were rounded to the nearest half dollar.

NOTE: Because of rounding, sums of individual items may not equal 100.

Table 6. Underground Mines: Weekly Earnings Distribution by Hours Worked

(Percent distribution of production workers by average straight-time weekly earnings<sup>1</sup> and weekly hours worked, United States and selected States, November 1962)

Average weekly earnings <sup>1</sup>	United States <sup>2</sup>		Selected States																		
			Alabama		Illinois		Kentucky			Ohio		Pennsylvania		Virginia		West Virginia					
							Total	East	West												
	Employees working—																				
	Under 35 hours	35 hours or more	Under 35 hours	35 hours or more	Under 35 hours	35 hours or more	Under 35 hours	35 hours or more	Under 35 hours	35 hours or more	Under 35 hours	35 hours or more	Under 35 hours	35 hours or more	Under 35 hours	35 hours or more	Under 35 hours	35 hours or more			
Under \$ 25.....	2.7	-	1.0	-	1.4	-	5.3	-	5.5	-	3.6	-	1.4	-	1.7	-	6.4	-	4.7	-	
\$ 25 and under \$ 30.....	1.6	-	.7	-	.8	-	1.0	-	.6	-	3.6	-	.7	-	.5	-	2.9	-	3.6	-	
\$ 30 and under \$ 35.....	1.3	-	1.6	-	.6	-	3.1	-	3.0	-	3.6	-	.2	-	.2	-	6.0	-	2.3	-	
\$ 35 and under \$ 40.....	1.2	-	1.1	-	-	-	2.3	-	1.5	-	7.3	-	.7	-	.5	-	5.9	-	1.8	-	
\$ 40 and under \$ 45.....	2.5	( <sup>3</sup> )	1.8	0.2	.8	-	9.4	0.1	10.3	-	3.6	0.3	2.4	-	1.0	-	3.5	-	2.7	( <sup>3</sup> )	
\$ 45 and under \$ 50.....	3.6	0.3	1.6	3.5	1.1	( <sup>3</sup> )	13.0	.2	14.8	0.1	1.8	.6	5.7	-	2.1	0.1	19.2	0.4	4.2	0.3	
\$ 50 and under \$ 55.....	2.7	.9	1.3	3.3	2.1	0.2	5.4	1.9	6.3	2.4	-	.5	8.2	1.6	2.0	.2	5.9	2.4	3.6	.3	
\$ 55 and under \$ 60.....	1.7	.8	.3	3.2	1.3	1.1	1.3	2.0	1.5	2.3	-	1.2	1.0	.8	1.4	.2	14.0	.5	1.9	.4	
\$ 60 and under \$ 65.....	2.4	2.2	1.2	2.1	.4	.2	6.5	6.0	7.6	7.8	-	1.2	-	1.0	3.6	1.5	7.1	4.9	1.8	1.0	
\$ 65 and under \$ 70.....	2.4	.8	4.5	.3	1.4	.2	2.4	.8	1.6	1.1	7.3	-	1.9	.3	3.0	1.0	.8	2.7	1.6	.7	
\$ 70 and under \$ 75.....	14.5	1.8	5.1	1.2	2.8	.2	4.2	4.4	4.2	5.6	4.5	1.3	4.6	2.9	21.6	1.2	14.1	4.5	6.7	.8	
\$ 75 and under \$ 80.....	8.6	.9	.8	.9	5.3	.2	4.9	.3	3.0	.1	16.4	.8	4.5	.5	16.9	.7	2.3	2.4	2.7	1.1	
\$ 80 and under \$ 85.....	8.2	2.3	1.1	3.1	4.0	.8	1.7	3.7	1.5	4.9	2.7	.8	3.6	1.9	9.7	.7	1.1	7.7	6.1	1.6	
\$ 85 and under \$ 90.....	4.3	.9	14.3	.7	2.6	.1	2.6	.5	2.1	.6	5.5	( <sup>3</sup> )	1.7	3.3	5.8	.6	2.1	3.3	1.8	.6	
\$ 90 and under \$ 95.....	7.4	1.9	33.0	1.6	3.6	.2	5.4	.7	3.3	.9	18.2	.3	10.5	1.5	5.8	1.3	1.1	2.4	3.1	2.0	
\$ 95 and under \$ 100.....	16.3	.8	25.3	.2	14.4	.6	14.8	.2	14.3	.1	17.3	.3	20.1	.3	10.9	.6	4.5	2.6	22.7	.7	
\$ 100 and under \$ 105.....	8.9	1.6	5.0	.6	17.1	.6	9.1	2.8	9.9	.4	4.5	9.1	18.5	.4	6.2	1.2	-	1.2	14.2	1.7	
\$ 105 and under \$ 110.....	7.0	1.1	.3	4.1	10.7	1.9	7.4	2.6	8.7	1.8	-	4.7	12.4	1.3	4.4	.9	3.2	.1	12.4	.6	
\$ 110 and under \$ 115.....	2.0	4.3	-	29.7	21.8	3.8	.3	5.7	.3	2.8	-	13.4	1.3	3.1	2.4	2.7	-	1.8	1.3	2.9	
\$ 115 and under \$ 120.....	.4	8.5	-	22.3	7.7	4.0	-	11.1	-	8.8	-	17.4	.6	12.5	.2	5.9	-	9.7	.2	7.6	
\$ 120 and under \$ 125.....	.1	25.7	-	11.8	-	13.3	-	31.3	-	28.9	-	37.7	-	21.9	-	25.5	-	21.8	.2	25.9	
\$ 125 and under \$ 130.....	.1	13.0	-	5.2	-	6.7	-	9.5	-	12.7	-	1.1	-	16.5	.2	14.8	-	11.8	-	15.4	
\$ 130 and under \$ 135.....	-	17.0	-	1.4	-	12.3	-	12.7	-	17.5	-	.2	-	14.0	-	16.3	-	16.5	-	20.0	
\$ 135 and under \$ 140.....	-	3.0	-	1.4	-	13.0	-	12.7	-	.1	-	2.3	-	3.6	-	3.5	-	.3	-	3.2	
\$ 140 and under \$ 145.....	( <sup>3</sup> )	1.8	-	.5	-	6.0	-	.4	-	.1	-	1.0	-	2.5	.1	2.5	-	.5	-	2.2	
\$ 145 and under \$ 150.....	-	3.0	-	.3	-	10.3	-	.5	-	( <sup>3</sup> )	-	1.7	-	3.1	-	5.3	-	.9	-	3.3	
\$ 150 and under \$ 155.....	-	2.0	-	.2	-	4.6	-	.6	-	( <sup>3</sup> )	-	2.2	-	3.1	-	3.9	-	.7	-	2.1	
\$ 155 and under \$ 160.....	-	.9	-	.5	-	4.3	-	.3	-	.3	-	.4	-	.5	-	.9	-	.1	-	.7	
\$ 160 and under \$ 165.....	-	1.9	-	.5	-	4.8	-	.2	-	.1	-	.3	-	3.1	-	4.3	-	.6	-	2.2	
\$ 165 and under \$ 170.....	-	.7	-	.3	-	2.9	-	.2	-	.1	-	.6	-	.6	-	.6	-	-	-	.7	
\$ 170 and under \$ 175.....	-	.5	-	.1	-	2.0	-	.4	-	.5	-	.1	-	-	-	.6	-	-	-	.5	
\$ 175 and over.....	( <sup>3</sup> )	1.3	-	.2	-	5.9	-	.2	-	-	-	.6	-	-	-	2.9	-	.1	.1	1.3	
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	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Number of workers.....	24,275	57,911	2,690	2,001	843	3,981	779	9,731	669	7,071	110	2,660	831	1,597	7,584	6,079	950	5,486	7,731	24,780	
Average weekly hours <sup>4</sup> .....	27.0	41.0	30.0	40.0	30.0	43.5	28.5	40.0	28.5	39.5	29.0	40.5	27.5	40.0	25.5	41.5	27.5	40.0	28.0	41.0	
Average weekly earnings <sup>5</sup> .....	\$80.00	\$121.50	\$85.50	\$107.50	\$96.00	\$138.00	\$69.50	\$111.50	\$68.50	\$110.00	\$74.00	\$116.00	\$85.50	\$121.00	\$80.50	\$128.00	\$55.50	\$109.00	\$80.50	\$124.50	

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.

<sup>2</sup> Includes data for States in addition to those shown separately.

<sup>3</sup> Less than 0.05 percent.

<sup>4</sup> Average weekly hours were rounded to the nearest half hour.

<sup>5</sup> Average weekly earnings were rounded to the nearest half dollar.

NOTE: Because of rounding, sums of individual items may not equal 100.

Table 7. Underground Mines: Occupational Averages—All Mines

(Number, average weekly hours worked, and average straight-time earnings<sup>1</sup> of production workers in selected occupations, United States, selected States and Coal Act Production Districts, November 1962)

Occupation	United States <sup>2</sup>				Selected States											
	Number of workers	Average			Number of workers	Alabama			Number of workers	Illinois			Kentucky			
		Hourly earnings	Weekly hours <sup>3</sup>	Weekly earnings <sup>4</sup>		Hourly earnings	Weekly hours <sup>3</sup>	Weekly earnings <sup>4</sup>		Hourly earnings	Weekly hours <sup>3</sup>	Weekly earnings <sup>4</sup>	Number of workers	Hourly earnings	Weekly hours <sup>3</sup>	Weekly earnings <sup>4</sup>
<b>Inside workers</b>																
Bonders.....	264	\$3.01	37.0	\$112.00	-	-	-	-	-	-	-	-	43	\$3.00	40.0	\$120.00
Brakemen.....	1,423	2.85	35.5	101.00	130	\$2.76	33.5	\$92.50	-	-	-	-	177	2.26	39.5	89.50
Bratticemen.....	1,115	2.93	36.5	107.50	146	2.90	36.0	104.50	60	\$3.13	43.5	\$136.50	135	2.78	39.0	108.50
Cagers, bottom.....	124	2.81	39.0	109.00	-	-	-	-	36	2.70	42.0	113.50	14	1.98	37.5	74.50
Continuous-mining-machine operators.....	2,355	3.28	35.5	116.00	20	3.13	33.0	103.00	126	3.46	37.0	128.00	84	3.17	45.0	143.00
Continuous-mining-machine operators' helpers.....	1,488	3.13	36.0	112.00	-	-	-	-	54	3.36	41.0	138.50	-	-	-	-
Cutting-machine operators.....	3,815	2.98	38.0	113.50	226	2.94	35.0	102.50	187	3.37	40.5	136.50	597	2.88	39.5	114.00
Cutting-machine operators' helpers.....	2,110	2.96	36.5	107.50	111	2.84	34.0	96.50	66	3.29	38.5	126.50	420	2.78	39.5	110.50
Drillers, hand.....	136	2.75	38.5	105.50	35	2.99	35.0	104.00	-	-	-	-	-	-	-	-
Drillers, machine.....	1,695	3.02	38.0	115.50	75	2.96	33.0	98.00	381	3.21	40.0	129.00	401	2.70	39.0	105.50
Coal.....	1,483	3.02	38.5	116.50	51	2.94	31.5	92.50	380	3.21	40.0	129.00	361	2.71	39.5	107.00
Rock.....	97	3.03	35.5	107.00	-	-	-	-	-	-	-	-	-	-	-	-
Combination coal and rock.....	115	3.00	38.0	114.00	24	2.99	37.0	110.00	-	-	-	-	-	-	-	-
Electricians, maintenance.....	2,375	3.24	41.0	133.00	246	3.09	37.5	116.50	142	3.34	46.0	153.50	215	3.07	39.5	121.00
Electricians' helpers, maintenance.....	164	3.02	40.5	122.00	38	2.84	36.5	103.00	-	-	-	-	-	-	-	-
Loaders, hand.....	5,920	2.15	34.0	73.00	563	2.30	33.5	76.50	-	-	-	-	690	1.65	38.0	63.00
Loading-machine operators.....	4,031	3.19	37.0	117.50	240	3.03	34.5	104.50	169	3.36	42.5	142.50	584	2.99	39.5	118.50
Coal.....	3,128	3.18	37.5	118.50	69	3.03	36.5	111.00	157	3.36	42.5	143.50	510	2.95	40.0	117.50
Rock.....	348	3.19	34.0	108.00	-	-	-	-	11	3.31	39.5	131.00	34	3.15	38.5	121.50
Combination coal and rock.....	555	3.22	37.5	120.00	171	3.03	33.5	102.00	-	-	-	-	-	-	-	-
Mechanics, maintenance.....	4,209	3.28	38.5	125.50	-	-	-	-	323	3.31	44.5	147.50	524	3.20	41.0	131.50
Mechanics' helpers, maintenance.....	220	3.06	37.0	112.50	-	-	-	-	30	3.03	41.0	124.00	9	2.21	46.5	103.00
Miners, pick.....	512	2.13	25.5	54.00	178	2.39	22.5	53.50	-	-	-	-	-	-	-	-
Motormen.....	6,353	2.89	36.5	105.00	245	2.80	33.0	93.00	154	2.97	41.0	121.50	734	2.68	40.0	107.00
Oilers and greasers.....	294	3.04	38.5	116.50	-	-	-	-	-	-	-	-	24	2.89	40.0	116.00
Pumpmen.....	550	2.97	39.5	118.00	33	2.80	36.0	100.50	33	2.97	42.5	126.00	51	2.83	40.0	113.00
Roof bolters.....	4,753	3.14	36.0	112.50	228	2.99	34.5	102.50	338	3.25	40.5	132.00	533	2.94	39.5	116.00
Shot firers.....	1,973	3.11	36.5	113.50	148	3.01	34.5	104.50	80	3.21	38.0	122.00	339	3.07	39.5	121.00
Shuttle-car operators.....	6,668	3.00	37.5	112.00	309	2.86	35.0	100.00	501	3.06	41.0	125.00	892	2.87	39.5	113.50
Timbermen.....	2,330	2.89	35.5	102.00	126	2.87	33.5	96.50	131	2.99	41.0	122.00	368	2.67	38.5	103.00
Trackmen.....	1,908	2.94	37.0	109.00	90	2.83	34.0	96.00	72	2.96	41.5	123.50	258	2.64	39.5	104.50
<b>Outside workers (noncontinuous operations)</b>																
Bit sharpeners.....	78	3.10	38.5	119.00	-	-	-	-	-	-	-	-	15	2.69	29.5	80.00
Blacksmiths, maintenance.....	160	3.30	34.0	112.50	11	3.19	29.5	94.50	8	3.32	35.5	118.50	13	3.30	36.0	119.50
Car droppers.....	1,030	3.16	36.5	116.00	-	-	-	-	97	3.16	39.0	124.00	64	3.13	36.5	114.00
Car dumpers.....	487	2.88	36.5	104.50	15	2.83	33.5	95.50	-	-	-	-	59	2.82	36.5	103.50
Car repairmen.....	293	3.17	35.0	110.50	21	3.07	32.5	100.00	7	3.05	37.5	114.50	23	2.77	37.0	102.00
Carpenters, maintenance.....	163	3.25	35.5	115.50	12	3.11	33.0	103.00	6	3.35	38.5	129.50	-	-	-	-
Electricians, maintenance.....	837	3.32	37.5	125.00	60	3.25	35.0	114.00	41	3.34	41.0	137.50	174	3.22	37.5	120.50
Electricians' helpers, maintenance.....	58	3.18	34.5	109.50	9	3.05	33.5	102.00	-	-	-	-	-	-	-	-
Hoistmen.....	231	2.84	39.5	112.50	27	2.58	35.0	90.00	28	2.78	47.0	130.00	28	2.36	38.5	91.00
Lampmen.....	377	3.17	35.0	111.00	26	3.00	31.0	93.50	14	3.20	43.0	137.00	47	3.20	37.0	118.00
Mechanics, maintenance.....	1,771	3.30	36.0	119.50	67	3.20	34.0	108.00	91	3.31	41.5	137.00	183	3.23	36.5	118.00
Mechanics' helpers, maintenance.....	181	3.24	34.0	110.00	20	3.06	33.0	101.00	-	-	-	-	-	-	-	-
Motormen.....	70	3.20	32.5	103.50	-	-	-	-	-	-	-	-	-	-	-	-
Oilers and greasers.....	174	3.18	36.0	115.00	10	2.95	39.5	116.50	6	3.27	40.0	130.00	14	3.14	36.5	114.00
State pickers.....	682	2.70	37.5	101.00	-	-	-	-	18	2.79	41.5	116.00	147	2.34	38.0	89.00
Tipple operators.....	1,448	2.89	37.5	108.50	44	1.76	36.0	63.00	63	3.11	42.5	131.50	208	2.41	36.5	88.50
Trimmers.....	175	3.19	37.0	118.00	-	-	-	-	-	-	-	-	38	3.19	36.0	115.50
Truckdrivers.....	1,106	2.69	37.0	100.00	82	2.26	36.5	83.00	30	3.16	41.0	129.50	100	2.36	37.5	89.00
Trailer type.....	78	3.07	38.0	116.00	-	-	-	-	-	-	-	-	-	-	-	-
Other than trailer type.....	1,000	2.65	37.5	99.50	82	2.26	36.5	83.00	24	3.17	42.0	133.00	98	2.35	37.5	88.50
<b>Outside workers (continuous operations)</b>																
Engineers, stationary.....	23	3.10	37.0	115.00	-	-	-	-	-	-	-	-	-	-	-	-
Hoistmen.....	145	3.12	46.0	144.00	-	-	-	-	27	3.23	49.5	159.50	-	-	-	-

See footnotes at end of table.

Table 7. Underground Mines: Occupational Averages—All Mines—Continued

(Number, average weekly hours worked, and average straight-time earnings<sup>1</sup> of production workers in selected occupations, United States, selected States and Coal Act Production Districts, November 1962)

Occupation	Selected States—Continued															
	Kentucky—Continued				Ohio				Pennsylvania							
	East		West		Average		Average		Average			Average		Average		
Number of workers	Hourly earnings	Weekly hours <sup>2</sup>	Weekly earnings <sup>4</sup>	Number of workers	Hourly earnings	Weekly hours <sup>2</sup>	Weekly earnings <sup>4</sup>	Number of workers	Hourly earnings	Weekly hours <sup>2</sup>	Weekly earnings <sup>4</sup>	Number of workers	Hourly earnings	Weekly hours <sup>2</sup>	Weekly earnings <sup>4</sup>	
<b>Inside workers</b>																
Bonders	33	\$3.03	40.0	\$121.00	10	\$2.88	40.0	\$115.00	6	\$3.03	30.0	\$91.00	55	\$3.05	32.5	\$99.50
Brakemen	177	2.26	39.5	89.50	-	-	-	-	17	2.57	29.5	76.00	264	2.99	26.5	78.50
Bratticemen	93	2.73	39.0	106.00	42	2.88	39.5	113.50	36	3.03	34.0	103.00	233	3.03	31.0	94.50
Cagers, bottom	-	-	-	-	14	1.98	37.5	74.50	-	-	-	-	20	3.04	34.0	104.00
Continuous-mining-machine operators	30	3.34	37.5	124.50	-	-	-	-	-	-	-	-	829	3.28	33.5	110.50
Continuous-mining-machine operators' helpers	-	-	-	-	-	-	-	-	97	3.19	34.5	110.50	476	3.12	34.5	107.50
Cutting-machine operators	460	2.88	39.0	113.00	137	2.88	40.5	116.50	96	3.08	34.0	104.00	370	3.17	36.0	114.50
Cutting-machine operators' helpers	293	2.75	39.5	108.50	127	2.86	40.0	115.00	87	3.15	34.5	109.00	175	3.11	26.0	81.00
Drillers, hand	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Drillers, machine	246	2.62	38.5	101.00	155	2.83	40.0	113.00	101	3.15	35.0	109.50	116	3.17	30.5	96.50
Coal	218	2.62	39.0	102.50	143	2.85	40.0	113.50	63	3.17	32.5	103.00	99	3.18	31.0	98.50
Rock	-	-	-	-	-	-	-	-	32	3.13	38.0	119.50	13	3.10	22.0	68.50
Combination coal and rock	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Electricians, maintenance	203	3.07	39.5	121.00	12	3.09	40.0	123.50	17	3.34	35.5	118.00	36	3.30	41.0	135.50
Electricians' helpers, maintenance	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Loaders, hand	658	1.68	38.5	64.50	-	-	-	-	166	2.01	36.5	73.50	425	2.49	32.0	79.50
Loading-machine operators	438	3.00	39.5	119.00	146	2.94	40.0	117.50	97	3.30	34.5	114.00	702	3.24	32.0	105.00
Coal	375	2.96	39.5	117.50	135	2.92	40.0	117.00	59	3.28	34.5	112.00	497	3.25	32.5	105.50
Rock	31	3.15	38.5	121.00	-	-	-	-	-	-	-	-	107	3.16	28.5	89.50
Combination coal and rock	-	-	-	-	-	-	-	-	35	3.34	35.5	118.00	98	3.28	36.0	118.50
Mechanics, maintenance	301	3.32	40.0	133.00	223	3.04	43.0	130.00	224	3.32	40.5	135.00	1,226	3.31	34.5	114.00
Mechanics' helpers, maintenance	-	-	-	-	-	-	-	-	-	-	-	-	109	3.17	34.5	110.00
Miners, pick	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Motormen	607	2.68	39.5	106.50	127	2.69	40.5	108.50	178	2.98	34.5	103.50	1,468	3.04	31.5	95.50
Oilers and greasers	-	-	-	-	24	2.89	40.0	116.00	-	-	-	-	88	3.04	38.5	117.50
Pumpmen	30	2.80	39.5	111.00	21	2.86	40.5	115.50	12	3.03	42.0	127.50	174	3.01	37.0	111.00
Roof bolters	380	2.94	39.0	115.00	153	2.94	40.0	118.00	100	3.16	34.0	107.00	914	3.18	32.0	101.50
Shot firers	228	3.13	39.0	122.50	111	2.92	40.0	117.50	40	3.18	34.0	107.50	219	3.18	27.0	86.00
Shuttle-car operators	585	2.89	39.0	113.00	307	2.83	40.0	113.50	129	3.04	33.0	101.00	1,090	3.08	32.5	99.50
Timbermen	321	2.65	38.5	101.50	47	2.87	39.5	113.00	48	2.94	33.0	97.50	563	3.04	28.0	85.50
Trackmen	234	2.65	39.5	104.50	24	2.59	40.0	103.50	68	2.97	34.5	103.00	309	3.03	29.5	89.50
<b>Outside workers (noncontinuous operations)</b>																
Bit sharpeners	15	2.69	29.5	80.00	-	-	-	-	-	-	-	-	17	3.34	38.0	126.50
Blacksmiths, maintenance	-	-	-	-	-	-	-	-	-	-	-	-	29	3.24	33.5	108.50
Car droppers	46	3.20	35.5	113.50	18	2.94	39.0	115.00	46	3.20	34.0	109.50	112	3.16	33.0	103.50
Car dumpers	59	2.82	36.5	103.50	-	-	-	-	12	2.53	38.0	96.00	77	3.03	38.0	115.50
Car repairmen	23	2.77	37.0	102.00	-	-	-	-	17	3.33	38.5	129.00	64	3.22	32.5	104.50
Carpenters, maintenance	-	-	-	-	-	-	-	-	-	-	-	-	15	3.31	25.5	85.00
Electricians, maintenance	159	3.25	37.0	121.00	15	2.95	38.5	113.50	-	-	-	-	47	3.33	29.0	97.00
Electricians' helpers, maintenance	-	-	-	-	-	-	-	-	-	-	-	-	10	3.26	28.5	92.50
Hoistmen	-	-	-	-	24	2.21	39.0	86.00	14	2.81	37.5	106.00	20	3.31	31.0	102.00
Lampmen	37	3.26	36.0	117.50	10	2.99	40.0	119.50	18	3.22	34.5	110.50	83	3.21	32.0	102.00
Mechanics, maintenance	104	3.35	36.5	121.50	79	3.06	37.5	114.00	40	3.37	38.5	130.50	299	3.29	34.0	112.00
Mechanics' helpers, maintenance	-	-	-	-	-	-	-	-	-	-	-	-	55	3.23	30.0	97.50
Motormen	-	-	-	-	-	-	-	-	-	-	-	-	23	3.29	30.5	100.50
Oilers and greasers	-	-	-	-	-	-	-	-	8	3.18	34.0	107.50	24	3.21	31.5	101.50
Slate pickers	111	2.31	37.0	86.00	36	2.45	40.0	98.00	44	2.76	34.0	93.50	49	2.83	35.5	99.50
Tipple operators	158	2.32	37.0	86.00	50	2.71	36.0	97.00	35	3.04	37.0	112.50	180	3.18	37.5	120.00
Trimmers	36	3.20	36.5	116.00	-	-	-	-	18	3.20	32.5	104.00	14	3.20	32.0	102.00
Truckdrivers <sup>3</sup>	75	2.43	37.0	90.00	25	2.16	39.5	85.50	44	2.70	35.5	96.00	109	3.03	29.5	90.00
Trailer type	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other than trailer type	75	2.43	37.0	90.00	23	2.07	40.0	83.00	44	2.70	35.5	96.00	99	3.01	29.5	88.50
<b>Outside workers (continuous operations)</b>																
Engineers, stationary	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hoistmen	-	-	-	-	-	-	-	-	-	-	-	-	44	3.19	34.0	108.50

See footnotes at end of table.

Table 7. Underground Mines: Occupational Averages—All Mines—Continued

(Number, average weekly hours worked, and average straight-time earnings<sup>1</sup> of production workers in selected occupations, United States, selected States and Coal Act Production Districts, November 1962)

Occupation	Selected States—Continued								Selected Coal Act Production Districts							
	Virginia				West Virginia				1				2			
	Number of workers	Hourly earnings	Weekly hours <sup>3</sup>	Weekly earnings <sup>4</sup>	Number of workers	Hourly earnings	Weekly hours <sup>3</sup>	Weekly earnings <sup>4</sup>	Number of workers	Hourly earnings	Weekly hours <sup>3</sup>	Weekly earnings <sup>4</sup>	Number of workers	Hourly earnings	Weekly hours <sup>3</sup>	Weekly earnings <sup>4</sup>
<b>Inside workers</b>																
Bonders.....	-	-	-	-	138	\$2.99	39.0	\$117.00	-	-	-	-	53	\$3.04	33.0	\$100.00
Brakemen.....	98	\$2.78	40.5	\$112.00	661	2.98	37.5	112.00	-	-	-	-	200	3.03	26.5	80.50
Bratticemen.....	42	2.87	37.5	107.00	385	2.90	39.0	112.50	42	\$2.99	30.5	\$90.50	191	3.04	31.5	95.50
Cagers, bottom.....	-	-	-	-	41	3.06	38.0	116.00	-	-	-	-	16	3.05	36.5	111.50
Continuous mining-machine operators.....	36	2.77	39.5	109.00	926	3.27	36.5	120.00	252	3.16	35.5	112.50	577	3.34	33.0	110.00
Continuous mining-machine operators' helpers.....	-	-	-	-	752	3.13	36.0	112.00	242	3.06	35.5	108.00	234	3.18	33.5	107.00
Cutting-machine operators.....	422	2.69	38.5	104.00	1,499	3.08	39.0	119.50	166	2.88	38.5	111.00	214	3.33	34.5	115.50
Cutting-machine operators' helpers.....	246	2.55	38.5	98.00	792	3.06	37.5	115.00	57	2.52	37.5	94.00	124	3.34	22.5	75.50
Drillers, hand.....	-	-	-	-	69	2.87	39.5	114.00	-	-	-	-	-	-	-	-
Drillers, machine.....	-	-	-	-	338	3.13	39.5	123.50	28	3.17	37.5	118.50	88	3.17	28.0	89.50
Coal.....	-	-	-	-	254	3.11	40.0	124.50	23	3.17	39.5	125.50	76	3.18	28.5	90.00
Rock.....	-	-	-	-	30	3.07	39.5	121.00	-	-	-	-	9	3.06	21.0	65.00
Combination coal and rock.....	-	-	-	-	54	3.23	37.0	119.50	-	-	-	-	-	-	-	-
Electricians, maintenance.....	127	3.29	42.0	138.00	1,332	3.28	41.5	136.00	-	-	-	-	34	3.30	41.0	135.50
Electricians' helpers, maintenance.....	-	-	-	-	28	3.07	41.0	126.50	-	-	-	-	-	-	-	-
Loaders, hand.....	1,161	1.82	34.0	62.00	2,831	2.32	33.0	77.00	432	2.38	32.0	76.50	-	-	-	-
Loading-machine operators.....	260	3.13	39.0	121.50	1,555	3.24	38.5	124.00	223	3.02	37.5	112.50	488	3.33	30.5	101.00
Coal.....	234	3.10	39.0	120.50	1,208	3.23	38.5	124.00	119	2.90	39.5	114.00	387	3.34	30.5	102.50
Rock.....	-	-	-	-	187	3.20	35.5	114.00	63	3.11	32.0	99.00	44	3.23	23.5	76.50
Combination coal and rock.....	-	-	-	-	160	3.34	40.5	135.50	41	3.21	40.5	129.50	57	3.34	33.0	110.50
Mechanics, maintenance.....	261	3.16	40.5	128.50	1,235	3.32	40.5	135.00	238	3.27	37.0	120.50	991	3.31	34.0	112.50
Mechanics' helpers, maintenance.....	-	-	-	-	37	3.08	38.0	117.00	-	-	-	-	87	3.17	36.5	115.50
Miners, pick.....	-	-	-	-	275	1.95	27.5	53.50	-	-	-	-	-	-	-	-
Motormen.....	650	2.52	38.5	97.50	2,329	2.94	38.5	113.00	336	2.97	33.5	99.00	1,138	3.06	30.5	94.00
Oilers and greasers.....	-	-	-	-	137	3.05	38.0	116.50	-	-	-	-	76	3.04	37.5	114.50
Pumpmen.....	12	3.02	40.0	121.00	216	2.99	41.5	124.50	31	2.98	40.5	121.00	143	3.02	36.0	108.50
Roof bolters.....	245	3.14	40.5	126.50	2,008	3.18	36.5	116.00	100	3.18	36.5	116.50	814	3.18	31.5	99.50
Shot firers.....	202	2.99	39.5	118.50	718	3.12	38.5	119.50	45	3.17	37.5	118.50	174	3.18	24.5	77.50
Shuttle-car operators.....	333	2.91	40.0	116.00	2,820	3.01	38.5	116.00	382	3.11	34.5	107.00	708	3.07	31.5	96.00
Timbermen.....	150	2.63	39.5	104.50	823	2.93	38.0	111.00	37	3.03	35.0	106.50	526	3.04	27.5	84.00
Trackmen.....	106	2.87	39.5	113.00	864	2.99	39.5	118.00	50	3.03	34.5	104.50	259	3.04	28.5	86.50
<b>Outside workers (noncontinuous operations)</b>																
Bit sharpeners.....	-	-	-	-	25	3.05	43.5	132.00	-	-	-	-	16	3.35	38.0	126.50
Blacksmiths, maintenance.....	7	2.68	38.0	102.00	60	3.38	35.0	118.00	15	3.11	35.5	110.00	14	3.38	31.5	106.50
Car droppers.....	88	3.11	36.5	114.00	541	3.18	38.0	121.00	55	3.11	33.0	102.00	57	3.20	33.0	105.00
Car dumpers.....	71	2.20	35.5	78.00	216	3.07	35.5	109.00	40	2.87	35.0	100.50	37	3.20	41.0	131.50
Car repairmen.....	14	2.89	37.0	107.00	117	3.28	36.5	119.00	36	3.20	31.5	101.00	28	3.23	33.5	109.00
Carpenters, maintenance.....	-	-	-	-	84	3.21	39.5	127.50	-	-	-	-	13	3.31	23.5	77.50
Electricians, maintenance.....	60	3.23	38.0	122.50	382	3.37	40.0	135.00	24	3.25	33.5	109.50	23	3.41	24.5	83.50
Electricians' helpers, maintenance.....	-	-	-	-	29	3.18	37.0	117.50	-	-	-	-	-	-	-	-
Hoistmen.....	23	2.94	41.0	121.00	60	3.26	41.5	135.00	-	-	-	-	20	3.31	31.0	102.00
Lampmen.....	-	-	-	-	155	3.14	38.0	119.00	14	3.14	35.5	111.50	69	3.22	31.0	100.50
Mechanics, maintenance.....	207	3.29	37.0	121.00	690	3.31	39.0	129.00	86	3.10	38.0	118.50	213	3.37	32.5	109.50
Mechanics' helpers, maintenance.....	13	3.25	38.5	125.50	48	3.34	37.0	123.50	11	3.18	38.0	120.50	44	3.24	28.0	91.50
Motormen.....	-	-	-	-	25	3.19	36.0	114.50	10	3.28	31.0	101.00	13	3.29	30.5	100.50
Oilers and greasers.....	15	3.27	36.0	118.50	94	3.19	37.0	117.50	6	3.19	31.0	98.50	18	3.22	31.5	102.00
Slate pickers.....	58	2.65	37.5	99.50	290	2.75	38.0	104.50	23	2.44	35.0	85.00	26	3.16	35.5	112.00
Tipple operators.....	86	2.94	37.5	110.00	626	2.95	38.5	114.00	76	2.98	36.5	109.50	107	3.28	38.0	125.00
Trimmers.....	-	-	-	-	101	3.20	39.0	125.00	-	-	-	-	-	-	-	-
Truckdrivers.....	121	2.21	37.5	83.00	515	2.79	39.5	110.50	39	2.50	30.5	76.00	76	3.19	29.5	94.50
Trailer type.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other than trailer type.....	121	2.21	37.5	83.00	489	2.76	39.5	109.00	33	2.37	30.0	71.50	72	3.18	29.5	94.00
<b>Outside workers (continuous operations)</b>																
Engineers, stationary.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Hoistmen.....	-	-	-	-	44	3.07	53.0	162.00	-	-	-	-	34	3.18	36.0	114.50

See footnotes at end of table.

Table 7. Underground Mines: Occupational Averages—All Mines—Continued

(Number, average weekly hours worked, and average straight-time earnings<sup>1</sup> of production workers in selected occupations, United States, selected States and Coal Act Production Districts, November 1962)

Occupation	Selected Coal Act Production Districts—Continued											
	3			7			8			13		
	Number of workers	Hourly earnings	Weekly hours <sup>3</sup>	Weekly earnings <sup>4</sup>	Number of workers	Hourly earnings	Weekly hours <sup>3</sup>	Weekly earnings <sup>4</sup>	Number of workers	Hourly earnings	Weekly hours <sup>3</sup>	Weekly earnings <sup>4</sup>
<b>Inside workers</b>												
Bonders	19	\$3.04	40.5	\$123.00	25	\$3.06	40.5	\$124.00	134	\$2.98	39.5	\$117.00
Brakemen	101	2.85	35.0	99.50	192	2.97	37.0	117.50	638	2.76	37.0	108.00
Bratticemen	103	2.87	37.5	107.50	98	2.93	37.0	101.50	304	2.91	39.5	115.50
Cagers, bottom	-	-	-	-	12	3.12	37.5	117.50	-	-	-	-
Continuous-mining-machine operators	324	3.21	39.5	126.00	451	3.34	35.0	117.50	217	3.16	37.0	116.50
Continuous-mining-machine operators' helpers	214	2.92	37.5	110.00	323	3.33	33.0	109.50	262	2.98	39.0	115.50
Cutting-machine operators	330	2.94	38.5	113.00	493	2.97	37.5	111.50	1,688	2.88	39.0	113.00
Cutting-machine operators' helpers	131	2.69	38.0	102.00	176	2.96	35.5	105.50	1,050	2.92	39.0	113.50
Drillers, hand	40	2.76	39.5	109.00	-	-	-	-	48	2.49	40.0	99.50
Drillers, machine	44	3.18	39.5	125.50	23	3.11	40.5	126.00	563	2.90	39.0	113.50
Coal	17	3.18	36.5	115.50	-	-	-	-	497	2.89	40.0	115.00
Rock	-	-	-	-	19	3.06	40.5	124.50	28	3.06	33.5	102.50
Combination coal and rock	-	-	-	-	-	-	-	-	38	2.89	34.0	98.50
Electricians, maintenance	148	3.27	41.5	135.00	315	3.33	38.5	129.00	1,276	3.24	42.0	135.50
Electricians' helpers, maintenance	-	-	-	-	-	-	-	-	80	3.09	39.5	122.00
Loaders, hand	1,072	2.09	33.0	68.50	1,165	2.43	32.0	78.00	2,413	1.95	36.0	70.00
Loading-machine operators	348	3.15	38.5	121.00	259	3.30	36.5	120.00	1,507	3.16	39.5	125.00
Coal	257	3.09	37.5	116.00	126	3.19	34.5	110.00	97	3.21	38.5	123.00
Rock	-	-	-	-	-	-	-	-	108	3.34	40.0	134.00
Combination coal and rock	90	3.34	40.5	136.00	-	-	-	-	773	3.26	41.0	134.00
Mechanics, maintenance	530	3.32	42.0	139.50	419	3.34	39.5	131.50	11	2.47	41.0	101.00
Mechanics' helpers, maintenance	-	-	-	-	-	-	-	-	-	-	-	-
Miners, pick	-	-	-	-	-	-	-	-	-	-	-	-
Motormen	519	2.84	38.5	109.50	949	2.90	37.0	108.00	2,185	2.76	39.5	109.50
Motormen and greasers	-	-	-	-	-	-	-	-	94	3.08	41.5	128.00
Pumpmen	88	3.02	40.0	121.00	29	2.97	36.5	108.50	136	2.94	43.5	128.00
Roof bolters	455	3.15	37.0	116.00	548	3.18	38.0	120.50	1,507	3.11	38.5	119.00
Shot firers	91	2.98	38.5	114.00	110	3.18	40.5	128.00	938	3.10	39.5	123.00
Shuttle-car operators	650	2.94	38.5	113.50	749	3.04	37.0	113.00	2,361	2.98	39.5	118.00
Timbermen	244	2.76	39.0	109.00	205	2.94	37.0	108.50	815	2.80	38.5	108.00
Trackmen	182	2.82	40.0	112.50	215	3.03	38.5	117.00	801	2.90	40.0	115.50
<b>Outside workers (noncontinuous operations)</b>												
Bit sharpeners	-	-	-	-	-	-	-	-	38	2.88	38.0	109.00
Blacksmiths, maintenance	-	-	-	-	15	3.39	31.5	107.50	57	3.29	37.0	121.00
Car droppers	105	3.15	37.0	117.00	202	3.16	38.5	121.50	338	3.18	38.0	121.00
Car dumpers	42	2.71	33.0	90.00	69	2.78	36.5	101.00	235	2.90	36.0	104.00
Car repairmen	20	3.17	34.5	110.00	23	3.22	33.5	108.00	111	3.16	37.5	118.00
Carpenters, maintenance	9	3.34	37.0	124.00	37	3.29	37.5	123.50	57	3.17	40.5	128.50
Electricians, maintenance	44	3.37	40.5	137.00	117	3.34	37.0	123.50	470	3.32	39.5	131.00
Electricians' helpers, maintenance	-	-	-	-	-	-	-	-	30	3.22	37.0	119.50
Hoistmen	30	3.20	43.5	139.50	-	-	-	-	50	3.14	41.0	129.00
Lampmen	50	3.10	38.5	119.50	30	3.25	34.5	111.50	100	3.16	39.0	124.00
Mechanics, maintenance	162	3.28	38.0	124.00	199	3.20	38.5	122.50	575	3.35	39.0	131.00
Mechanics' helpers, maintenance	-	-	-	-	-	-	-	-	73	3.30	37.5	123.00
Motormen	-	-	-	-	-	-	-	-	16	3.15	37.5	118.50
Motormen and greasers	23	3.17	39.5	125.50	9	3.20	39.5	126.00	87	3.21	35.5	114.50
Slate pickers	113	2.24	39.5	88.00	69	3.11	37.0	115.50	305	2.73	37.5	102.00
Tippie operators	172	2.74	38.0	104.00	158	3.18	35.0	111.00	551	2.78	39.5	109.50
Trimmers	26	3.18	39.5	126.00	-	-	-	-	105	3.20	38.5	122.50
Truckdrivers <sup>5</sup>	103	2.38	38.0	91.00	166	2.50	41.5	103.50	422	2.76	38.5	106.50
Trailer type	-	-	-	-	-	-	-	-	-	-	-	-
Other than trailer type	101	2.35	38.5	90.50	166	2.50	41.5	103.50	398	2.73	38.5	105.00
<b>Outside workers (continuous operations)</b>												
Engineers, stationary	-	-	-	-	-	-	-	-	-	-	-	-
Hoistmen	-	-	-	-	-	-	-	-	-	-	-	-

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.  
<sup>2</sup> Includes data for States in addition to those shown separately.  
<sup>3</sup> Average weekly hours were rounded to the nearest half hour.  
<sup>4</sup> Average weekly earnings were rounded to the nearest half dollar.  
<sup>5</sup> Includes drivers of a combination of types of trucks as well as those shown separately.

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

Table 8. Underground Mines: Occupational Averages by Size of Mine

(Number, average weekly hours worked, and average straight-time earnings<sup>1</sup> of production workers in selected occupations by size of mine, United States, selected States and Coal Act Production Districts, November 1962)

Occupation and size of mine	United States <sup>2</sup>				Selected States						Selected Coal Act Production Districts									
	Number of workers	Average			Number of workers	Average			Number of workers	Average			Number of workers	Average			Number of workers	Average		
		Hourly earnings	Weekly hours <sup>3</sup>	Weekly earnings <sup>4</sup>		Hourly earnings	Weekly hours <sup>3</sup>	Weekly earnings <sup>4</sup>		Hourly earnings	Weekly hours <sup>3</sup>	Weekly earnings <sup>4</sup>		Hourly earnings	Weekly hours <sup>3</sup>	Weekly earnings <sup>4</sup>		Hourly earnings	Weekly hours <sup>3</sup>	Weekly earnings <sup>4</sup>
<b>Inside workers</b>																				
Brakemen:																				
10-99 workers .....	259	\$ 2.20	37.0	\$ 81.00	-	-	-	-	103	\$ 2.74	35.5	\$ 97.50	18	\$ 1.98	34.5	\$ 68.50	162	\$ 1.97	40.0	\$ 79.00
100 or more workers .....	1,164	3.00	35.0	105.50	254	\$ 3.03	26.0	\$ 79.00	558	3.02	38.0	115.00	88	3.03	35.0	105.50	476	3.03	39.0	117.50
Bratticemen:																				
10-99 workers .....	148	2.46	37.5	92.00	11	2.89	34.0	98.00	69	2.35	38.0	89.50	26	2.41	36.5	88.50	37	2.17	43.5	94.00
100 or more workers .....	967	3.00	36.5	110.00	222	3.03	31.0	94.50	316	3.02	39.0	117.50	77	3.03	37.5	113.50	267	3.01	39.5	118.50
Continuous-mining-machine operators:																				
10-99 workers .....	454	3.08	38.0	116.50	120	2.97	39.0	116.50	178	3.02	34.0	102.50	48	2.51	40.0	100.50	-	-	-	-
100 or more workers .....	1,901	3.33	35.0	116.00	709	3.34	33.0	109.50	748	3.33	37.5	124.50	276	3.33	39.0	130.00	151	3.20	35.5	114.00
Continuous-mining-machine operators' helpers:																				
10-99 workers .....	414	2.86	36.5	104.00	110	2.93	38.5	113.50	282	2.81	35.0	98.50	-	-	-	-	-	-	-	-
100 or more workers .....	1,074	3.23	35.5	115.00	366	3.18	33.5	106.00	470	3.32	36.5	120.50	142	3.33	38.5	127.50	112	3.02	37.5	114.00
Cutting-machine operators:																				
10-99 workers .....	1,622	2.53	38.0	96.50	180	2.99	37.5	112.50	657	2.77	38.5	106.50	224	2.77	38.0	105.50	648	2.17	39.0	84.50
100 or more workers .....	2,193	3.31	38.0	126.00	190	3.33	35.0	116.50	842	3.33	39.0	129.50	106	3.31	39.0	129.50	1,040	3.32	39.5	130.50
Cutting-machine operators' helpers:																				
10-99 workers .....	713	2.33	38.0	89.00	54	2.61	36.5	95.50	253	2.48	38.5	96.00	60	1.94	37.5	73.00	364	2.20	40.0	87.50
100 or more workers .....	1,397	3.29	35.5	117.50	121	3.33	22.5	74.50	539	3.33	37.0	124.00	71	3.34	38.0	126.50	686	3.31	38.5	127.50
Drillers, machine, coal:																				
10-99 workers .....	414	2.62	40.5	106.50	16	3.17	42.5	134.50	69	2.91	43.0	125.50	-	-	-	-	157	2.28	42.0	96.00
100 or more workers .....	1,069	3.18	37.5	120.00	83	3.18	29.0	91.50	185	3.19	39.0	124.00	-	-	-	-	340	3.17	39.0	123.50
Electricians, maintenance:																				
10-99 workers .....	371	2.94	41.0	121.00	-	-	-	-	262	3.08	41.5	127.50	16	3.05	40.0	122.00	238	2.85	42.0	120.00
100 or more workers .....	2,004	3.29	41.0	135.00	34	3.30	41.0	135.50	1,070	3.33	41.5	138.00	132	3.30	41.5	136.50	1,038	3.33	41.5	139.00
Loaders, hand:																				
10-99 workers .....	5,841	2.15	34.0	73.00	425	2.49	32.0	79.50	2,752	2.33	33.5	77.50	1,072	2.09	33.0	68.50	2,413	1.95	36.0	70.00
Loading-machine operators, coal:																				
10-99 workers .....	710	2.77	39.0	108.00	124	3.01	39.5	118.50	290	2.91	39.0	113.50	74	2.51	37.0	93.00	317	2.67	39.5	105.00
100 or more workers .....	2,418	3.31	36.5	121.50	373	3.34	30.5	101.50	918	3.33	38.5	127.50	183	3.33	37.5	125.00	985	3.30	39.5	130.50
Mechanics, maintenance:																				
10-99 workers .....	447	3.14	41.0	128.50	124	3.23	40.5	131.50	147	3.24	41.0	132.50	48	3.22	42.0	135.50	40	3.01	41.0	123.50
100 or more workers .....	3,762	3.30	38.0	125.50	1,102	3.31	34.0	112.00	1,088	3.33	40.5	135.50	482	3.33	42.0	140.00	733	3.27	41.0	134.50
Motormen:																				
10-99 workers .....	1,467	2.39	37.0	89.00	146	2.89	38.0	110.50	594	2.61	37.0	96.50	180	2.44	37.5	91.50	608	2.07	39.0	80.50
100 or more workers .....	4,886	3.04	36.0	110.00	1,322	3.06	30.5	93.50	1,735	3.05	39.0	118.50	339	3.06	39.0	119.50	1,577	3.03	40.0	121.00
Pumpmen:																				
10-99 workers .....	64	2.76	43.0	118.50	27	2.96	42.0	124.50	17	2.80	47.5	133.50	-	-	-	-	-	-	-	-
100 or more workers .....	486	3.00	39.0	117.50	147	3.02	36.0	108.50	199	3.01	41.0	124.00	76	3.02	40.5	122.50	127	3.01	42.5	128.00
Roof bolters:																				
10-99 workers .....	286	2.68	37.5	100.00	-	-	-	-	140	3.10	35.0	108.00	40	2.90	40.5	117.50	100	2.24	40.5	91.00
100 or more workers .....	4,467	3.17	35.5	113.00	898	3.18	32.0	101.00	1,868	3.18	37.0	117.00	415	3.18	36.5	115.50	1,407	3.18	38.0	121.00
Shot firers:																				
10-99 workers .....	323	2.85	40.5	115.00	49	3.17	39.5	124.50	126	2.83	42.5	120.00	26	2.53	40.0	101.00	135	2.70	42.0	113.50
100 or more workers .....	1,650	3.15	36.0	113.50	170	3.18	23.5	74.50	592	3.18	37.5	119.50	65	3.16	37.5	119.00	803	3.17	39.5	124.50
Shuttle-car operators:																				
10-99 workers .....	1,054	2.75	39.0	107.00	159	3.12	40.0	123.50	481	2.82	38.0	107.50	152	2.59	38.5	100.00	355	2.61	40.5	105.50
100 or more workers .....	5,614	3.04	37.0	113.00	931	3.08	31.0	95.50	2,339	3.06	38.5	117.50	498	3.05	38.5	117.50	2,006	3.05	39.5	120.00
Timbermen:																				
10-99 workers .....	380	2.33	39.5	92.50	32	3.05	35.5	109.00	176	2.57	40.5	104.00	88	2.34	38.5	90.50	178	2.10	42.0	88.00
100 or more workers .....	1,950	3.00	34.5	104.00	531	3.04	27.5	84.00	647	3.02	37.5	113.00	156	3.03	39.5	119.00	637	2.99	38.0	113.50
Trackmen:																				
10-99 workers .....	330	2.57	39.5	101.00	22	3.02	39.0	118.50	169	2.77	40.0	111.00	66	2.44	40.0	97.50	145	2.37	41.0	97.50
100 or more workers .....	1,578	3.01	37.0	111.00	287	3.04	29.0	87.50	695	3.05	39.5	120.00	116	3.04	40.0	121.00	656	3.02	39.5	119.50

Table 8. Underground Mines: Occupational Averages by Size of Mine—Continued

(Number, average weekly hours worked, and average straight-time earnings<sup>1</sup> of production workers in selected occupations by size of mine, United States, selected States and Coal Act Production Districts, November 1962)

Occupation and size of mine	United States <sup>2</sup>				Selected States								Selected Coal Act Production Districts							
	Number of workers	Average			Number of workers	Average			Number of workers	Average			Number of workers	Average			Number of workers	Average		
		Hourly earnings	Weekly hours <sup>3</sup>	Weekly earnings <sup>4</sup>		Hourly earnings	Weekly hours <sup>3</sup>	Weekly earnings <sup>4</sup>		Hourly earnings	Weekly hours <sup>3</sup>	Weekly earnings <sup>4</sup>		Hourly earnings	Weekly hours <sup>3</sup>	Weekly earnings <sup>4</sup>		Hourly earnings	Weekly hours <sup>3</sup>	Weekly earnings <sup>4</sup>
<b>Outside workers (noncontinuous operations)</b>																				
Car droppers:																				
10-99 workers	160	\$3.09	36.5	\$112.50	30	\$3.04	40.5	\$123.50	52	\$3.20	36.5	\$116.00	-	-	-	-	21	\$2.80	38.5	\$108.00
100 or more workers	870	3.18	37.0	117.00	82	3.20	30.0	96.00	489	3.17	38.5	121.50	101	\$3.15	37.0	\$116.50	317	3.20	38.0	122.00
Car dumpers:																				
10-99 workers	199	2.44	35.5	86.50	38	2.85	43.5	124.00	58	2.80	28.0	79.00	16	2.05	26.5	54.50	59	2.00	27.5	54.50
100 or more workers	288	3.19	37.0	117.50	39	3.20	33.5	107.00	158	3.17	38.0	120.00	26	3.11	36.0	111.50	176	3.20	38.0	121.00
Electricians, maintenance:																				
10-99 workers	85	2.92	39.0	114.00	7	2.87	38.5	111.00	45	3.19	38.5	122.50	-	-	-	-	53	2.89	38.5	111.50
100 or more workers	752	3.36	37.5	126.50	40	3.41	27.5	94.50	337	3.40	40.0	136.50	40	3.38	40.5	137.50	417	3.37	39.5	133.50
Mechanics, maintenance:																				
10-99 workers	197	2.98	40.0	118.50	54	3.00	39.0	117.50	86	2.97	42.5	125.50	30	3.00	40.5	121.00	57	3.00	44.5	133.00
100 or more workers	1,574	3.34	36.0	119.50	245	3.36	33.0	111.00	604	3.35	38.5	129.50	132	3.34	37.5	124.50	518	3.38	38.5	130.50
Slate pickers:																				
10-99 workers	346	2.24	38.5	86.50	19	2.29	38.5	88.50	138	2.30	39.0	90.00	94	2.05	40.0	81.50	101	1.76	40.0	70.00
100 or more workers	336	3.17	36.5	116.00	30	3.16	33.5	106.50	152	3.16	37.5	118.00	19	3.17	38.0	120.50	204	3.21	37.0	118.00
Tipple operators:																				
10-99 workers	618	2.47	38.0	94.00	53	2.94	38.0	112.00	275	2.61	39.5	103.00	104	2.44	37.5	91.50	242	2.23	41.0	91.50
100 or more workers	830	3.21	37.0	119.00	127	3.28	37.5	123.00	351	3.22	38.0	122.00	68	3.19	39.0	124.00	309	3.20	39.0	124.00
Truckdrivers, other than trailer type:																				
10-99 workers	424	2.03	39.0	79.00	21	2.38	33.5	79.50	183	2.24	40.0	90.00	62	1.84	43.0	79.00	177	2.16	39.0	84.50
100 or more workers	576	3.11	37.0	114.50	78	3.18	28.5	91.00	306	3.08	39.0	120.50	39	3.17	34.0	108.50	221	3.18	38.0	121.00

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.

<sup>2</sup> Includes data for States in addition to those shown separately.

<sup>3</sup> Average weekly hours were rounded to the nearest half hour.

<sup>4</sup> Average weekly earnings were rounded to the nearest half dollar.

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

Table 9. Underground Mines: Occupational Averages by Labor-Management Contract Coverage

(Number, average weekly hours worked, and average straight-time earnings<sup>1</sup> of production workers in selected occupations by labor-management contract coverage,<sup>2</sup> United States, selected States and Coal Act Production Districts, November 1962)

Occupation	United States <sup>3</sup>				Selected States															
	Number of workers	Average			Number of workers	Kentucky			Pennsylvania			Virginia			West Virginia					
		Hourly earnings	Weekly hours <sup>4</sup>	Weekly earnings <sup>5</sup>		Hourly earnings	Weekly hours <sup>4</sup>	Weekly earnings <sup>5</sup>	Number of workers	Hourly earnings	Weekly hours <sup>4</sup>	Weekly earnings <sup>5</sup>	Number of workers	Hourly earnings	Weekly hours <sup>4</sup>	Weekly earnings <sup>5</sup>	Number of workers	Hourly earnings	Weekly hours <sup>4</sup>	Weekly earnings <sup>5</sup>
<b>Inside workers</b>																				
<b>Brakemen:</b>																				
Union mines	1,271	\$3.01	35.0	\$106.00	86	\$3.03	40.0	\$120.50	254	\$3.03	26.0	\$79.00	83	\$3.03	40.0	\$121.50	633	\$3.03	38.0	\$114.50
Nonunion mines	152	1.57	39.0	61.00	91	1.52	40.0	60.50	-	-	-	-	-	-	-	-	28	1.68	35.0	59.00
<b>Continuous-mining-machine operators:</b>																				
Union mines	2,203	3.33	35.0	117.00	84	3.17	45.0	143.00	755	3.33	33.0	110.50	16	3.34	41.0	136.50	868	3.34	36.5	122.00
Nonunion mines	152	2.53	40.5	102.50	-	-	-	-	74	2.75	41.5	114.50	-	-	-	-	58	2.33	39.5	92.50
<b>Continuous-mining-machine operators' helpers:</b>																				
Union mines	1,270	3.26	35.5	115.50	-	-	-	-	412	3.18	33.5	107.00	-	-	-	-	626	3.32	35.5	118.50
Nonunion mines	218	2.34	38.5	90.00	-	-	-	-	64	2.75	40.0	110.00	-	-	-	-	126	2.16	37.5	80.50
<b>Cutting-machine operators:</b>																				
Union mines	3,081	3.17	38.0	120.00	429	3.12	39.5	123.00	328	3.33	36.0	120.00	274	3.13	39.0	122.50	1,211	3.24	38.5	125.50
Nonunion mines	734	2.21	38.5	85.00	168	2.25	40.5	91.00	42	1.88	37.5	70.50	148	1.88	37.0	70.00	288	2.41	38.0	92.00
<b>Cutting-machine operators' helpers:</b>																				
Union mines	1,707	3.18	36.0	114.00	300	3.01	39.5	119.00	150	3.32	25.0	82.50	142	3.05	39.0	119.50	695	3.21	37.5	120.00
Nonunion mines	403	2.02	40.0	80.50	120	2.23	39.5	88.50	25	1.85	39.5	73.00	104	1.86	37.0	69.00	97	1.96	42.0	82.00
<b>Drillers, machine, coal:</b>																				
Union mines	1,286	3.17	38.0	121.00	237	3.09	39.5	121.50	99	3.18	31.0	98.50	-	-	-	-	234	3.19	39.0	125.00
Nonunion mines	197	2.04	42.0	86.00	124	1.98	40.5	80.00	-	-	-	-	-	-	-	-	-	-	-	-
<b>Electricians, maintenance:</b>																				
Union mines	2,246	3.29	41.0	135.00	173	3.32	39.5	131.00	36	3.30	41.0	135.50	127	3.29	42.0	138.00	1,265	3.33	41.0	137.00
Nonunion mines	129	2.27	43.5	99.00	42	2.06	39.0	80.50	-	-	-	-	-	-	-	-	67	2.39	46.0	109.50
<b>Loaders, hand:</b>																				
Union mines	2,395	2.58	33.5	86.00	-	-	-	-	125	3.50	26.0	91.00	-	-	-	-	1,554	2.61	34.0	88.50
Nonunion mines	3,525	1.85	34.5	64.00	640	1.64	38.0	62.00	300	2.08	36.0	74.50	976	1.79	34.5	62.00	1,277	1.97	32.0	63.50
<b>Loading-machine operators, coal:</b>																				
Union mines	2,824	3.28	37.0	121.50	413	3.14	40.0	125.00	459	3.34	32.0	107.00	198	3.24	38.5	125.50	1,114	3.30	38.5	126.50
Nonunion mines	304	2.26	40.5	91.00	97	2.14	40.0	85.50	-	-	-	-	-	-	-	-	94	2.43	40.0	97.00
<b>Mechanics, maintenance:</b>																				
Union mines	4,080	3.31	38.0	126.50	501	3.23	41.0	133.00	1,215	3.32	34.5	114.50	217	3.34	40.0	133.50	1,211	3.33	40.5	135.50
Nonunion mines	129	2.41	43.5	104.50	23	2.57	41.0	105.50	11	2.15	41.5	89.50	-	-	-	-	24	2.92	42.5	124.50
<b>Motormen:</b>																				
Union mines	5,668	3.00	36.5	109.00	579	2.93	40.0	116.50	1,443	3.06	31.0	95.50	363	3.00	39.5	118.00	2,163	3.00	38.5	115.50
Nonunion mines	685	1.93	38.5	74.50	155	1.75	40.0	70.00	25	2.03	41.0	83.50	287	1.91	37.5	71.50	166	2.09	38.5	80.00
<b>Shot firers:</b>																				
Union mines	1,869	3.15	36.5	114.50	319	3.10	39.5	122.00	219	3.18	27.0	86.00	163	3.18	40.0	126.50	674	3.17	38.0	120.50
Nonunion mines	104	2.32	42.0	97.00	20	2.52	40.0	101.00	-	-	-	-	39	2.22	39.0	87.00	44	2.34	45.0	105.00
<b>Shuttle-car operators:</b>																				
Union mines	6,300	3.04	37.0	113.00	777	2.96	39.5	116.50	1,090	3.08	32.5	99.50	297	3.00	39.5	119.00	2,650	3.06	38.0	117.00
Nonunion mines	368	2.27	41.5	94.00	115	2.29	40.0	91.50	-	-	-	-	-	-	-	-	170	2.34	41.5	97.00
<b>Timbermen:</b>																				
Union mines	2,071	3.01	34.5	104.50	307	2.91	38.5	111.50	563	3.04	28.0	85.50	90	3.04	40.0	121.50	712	3.04	37.5	113.50
Nonunion mines	259	1.99	41.5	82.50	-	-	-	-	-	-	-	-	60	2.02	39.5	79.50	111	2.23	43.0	95.50
<b>Trackmen:</b>																				
Union mines	1,776	3.03	37.0	112.00	196	3.02	39.5	119.00	309	3.03	29.5	89.50	86	3.03	40.0	121.00	821	3.05	39.0	119.50
Nonunion mines	132	1.73	41.5	72.00	62	1.46	41.0	59.50	-	-	-	-	-	-	-	-	43	1.91	45.5	86.50

See footnotes at end of table.

Table 9. Underground Mines: Occupational Averages by Labor-Management Contract Coverage—Continued

(Number, average weekly hours worked, and average straight-time earnings<sup>1</sup> of production workers in selected occupations by labor-management contract coverage,<sup>2</sup> United States, selected States and Coal Act Production Districts, November 1962)

Occupation	United States <sup>3</sup>				Selected States—Continued															
	Number of workers	Average			Number of workers	Kentucky			Pennsylvania			Virginia			West Virginia					
		Hourly earnings	Weekly hours <sup>4</sup>	Weekly earnings <sup>5</sup>		Hourly earnings	Weekly hours <sup>4</sup>	Weekly earnings <sup>5</sup>	Number of workers	Hourly earnings	Weekly hours <sup>4</sup>	Weekly earnings <sup>5</sup>	Number of workers	Hourly earnings	Weekly hours <sup>4</sup>	Weekly earnings <sup>5</sup>	Number of workers	Hourly earnings	Weekly hours <sup>4</sup>	Weekly earnings <sup>5</sup>
<b>Outside workers (noncontinuous operations)</b>																				
<b>Car dumpers:</b>																				
Union mines .....	418	\$3.10	36.5	\$113.00	45	\$3.23	36.0	\$117.00	69	\$3.19	38.0	\$121.00	42	\$2.70	35.0	\$95.00	204	\$3.15	36.0	\$113.00
Nonunion mines .....	69	1.54	35.5	54.50	-	-	-	-	-	-	-	-	29	1.49	35.5	53.00	12	1.72	23.5	40.50
<b>Mechanics, maintenance:</b>																				
Union mines .....	1,695	3.33	36.0	120.00	175	3.26	36.5	119.00	286	3.35	33.5	113.00	190	3.37	36.5	123.00	654	3.34	39.0	129.50
Nonunion mines .....	76	2.47	44.0	108.50	-	-	-	-	13	1.96	47.0	92.00	-	-	-	-	36	2.69	45.5	123.00
<b>Slate pickers:</b>																				
Union mines .....	486	3.09	37.0	114.00	70	3.13	37.0	115.50	36	3.16	34.0	108.00	48	2.89	37.0	107.50	204	3.14	37.5	117.50
Nonunion mines .....	196	1.71	40.0	68.50	77	1.62	40.0	65.00	13	1.89	40.5	76.50	-	-	-	-	86	1.83	40.0	73.50
<b>Tipple operators:</b>																				
Union mines .....	1,140	3.19	36.5	117.00	110	3.21	35.5	114.00	170	3.24	37.5	122.00	65	3.25	36.5	118.00	494	3.22	37.5	120.50
Nonunion mines .....	308	1.79	42.5	76.50	98	1.52	39.5	60.00	-	-	-	-	-	-	-	-	132	1.94	45.5	88.50
<b>Truckdrivers, other than trailer type:</b>																				
Union mines .....	723	3.01	37.0	112.00	49	3.15	36.5	115.00	88	3.19	29.0	92.00	41	3.22	37.0	118.50	398	2.99	39.0	117.00
Nonunion mines .....	277	1.70	39.5	67.50	49	1.55	40.0	62.00	11	1.55	40.5	62.50	80	1.69	38.5	65.00	91	1.79	41.5	74.50

See footnotes at end of table.

Table 9. Underground Mines: Occupational Averages by Labor-Management Contract Coverage—Continued

(Number, average weekly hours worked, and average straight-time earnings<sup>1</sup> of production workers in selected occupations by labor-management contract coverage,<sup>2</sup> United States, selected States and Coal Act Production Districts, November 1962)

Occupation	Selected Coal Act Production Districts											
	1				3				8			
	Number of workers	Average			Number of workers	Average			Number of workers	Average		
Hourly earnings		Weekly hours <sup>4</sup>	Weekly earnings <sup>5</sup>	Hourly earnings		Weekly hours <sup>4</sup>	Weekly earnings <sup>5</sup>	Hourly earnings		Weekly hours <sup>4</sup>	Weekly earnings <sup>5</sup>	
<u>Inside workers</u>												
<b>Brakemen:</b>												
Union mines .....	-	-	-	-	92	\$3.03	35.0	\$105.50	526	\$3.03	39.0	\$118.00
Nonunion mines .....	-	-	-	-	-	-	-	-	112	1.49	40.0	59.50
<b>Continuous-mining-machine operators:</b>												
Union mines .....	178	\$3.33	33.5	\$111.50	284	3.34	39.0	130.50	179	3.34	36.5	122.50
Nonunion mines .....	74	2.75	41.5	114.50	40	2.32	40.0	92.50	-	-	-	-
<b>Continuous-mining-machine operators' helpers:</b>												
Union mines .....	178	3.17	34.0	107.00	142	3.33	38.5	127.50	180	3.31	39.0	129.00
Nonunion mines .....	64	2.75	40.0	110.00	-	-	-	-	-	-	-	-
<b>Cutting-machine operators:</b>												
Union mines .....	114	3.33	38.5	129.00	128	3.41	39.5	134.50	1,416	3.05	39.0	119.00
Nonunion mines .....	52	1.90	38.0	72.00	202	2.65	37.5	99.50	272	2.02	41.0	82.50
<b>Cutting-machine operators' helpers:</b>												
Union mines .....	26	3.25	36.0	116.50	75	3.34	38.0	127.00	843	3.14	38.5	121.00
Nonunion mines .....	31	1.90	39.5	75.50	56	1.84	37.0	68.50	207	2.04	41.0	84.00
<b>Drillers, machine, coal:</b>												
Union mines .....	23	3.17	39.5	125.50	17	3.18	36.5	115.50	377	3.18	39.5	125.00
Nonunion mines .....	-	-	-	-	-	-	-	-	120	1.98	42.0	83.50
<b>Electricians, maintenance:</b>												
Union mines .....	-	-	-	-	132	3.28	41.5	136.00	1,184	3.33	41.5	138.50
Nonunion mines .....	-	-	-	-	16	3.16	40.0	126.00	92	2.09	44.5	93.00
<b>Loaders, hand:</b>												
Union mines .....	125	3.50	26.0	91.00	-	-	-	-	966	2.32	34.5	79.50
Nonunion mines .....	307	1.93	36.5	70.00	1,002	2.00	32.0	63.50	1,447	1.70	37.5	63.50
<b>Loading-machine operators, coal:</b>												
Union mines .....	72	3.34	39.0	130.00	183	3.34	37.5	125.50	1,177	3.25	39.5	128.00
Nonunion mines .....	47	2.23	40.0	89.50	74	2.48	37.0	92.00	125	2.16	42.0	90.50
<b>Mechanics, maintenance:</b>												
Union mines .....	224	3.34	36.5	122.50	508	3.33	42.0	140.00	722	3.33	41.0	136.00
Nonunion mines .....	14	2.14	41.5	88.50	22	3.02	42.5	128.50	-	-	-	-
<b>Motormen:</b>												
Union mines .....	305	3.06	33.0	100.50	393	3.06	38.5	118.50	1,822	2.95	39.5	117.00
Nonunion mines .....	31	2.05	40.5	83.50	126	2.17	38.0	82.50	363	1.82	40.0	72.50
<b>Shot firers:</b>												
Union mines .....	45	3.17	37.5	118.50	67	3.18	37.5	120.00	879	3.16	39.5	124.50
Nonunion mines .....	-	-	-	-	24	2.41	40.0	96.50	59	2.23	43.5	96.50
<b>Shuttle-car operators:</b>												
Union mines .....	382	3.11	34.5	107.00	534	3.06	38.5	118.00	2,254	3.02	39.5	119.00
Nonunion mines .....	-	-	-	-	116	2.40	39.0	93.50	107	2.09	45.0	94.00
<b>Timbermen:</b>												
Union mines .....	37	3.03	35.0	106.50	162	3.05	39.0	118.50	684	2.98	38.0	113.50
Nonunion mines .....	-	-	-	-	82	2.24	40.0	89.50	131	1.83	43.5	79.50
<b>Trackmen:</b>												
Union mines .....	50	3.03	34.5	104.50	150	3.04	40.0	121.50	713	3.05	39.5	121.00
Nonunion mines .....	-	-	-	-	32	1.80	39.0	70.00	88	1.72	42.5	73.00

See footnotes at end of table.

Table 9. Underground Mines: Occupational Averages by Labor-Management Contract Coverage—Continued

(Number, average weekly hours worked, and average straight-time earnings<sup>1</sup> of production workers in selected occupations by labor-management contract coverage,<sup>2</sup> United States, selected States and Coal Act Production Districts, November 1962)

Occupation	Selected Coal Act Production Districts—Continued											
	1				3				8			
	Number of workers	Average			Number of workers	Average			Number of workers	Average		
Hourly earnings		Weekly hours <sup>4</sup>	Weekly earnings <sup>5</sup>	Hourly earnings		Weekly hours <sup>4</sup>	Weekly earnings <sup>5</sup>	Hourly earnings		Weekly hours <sup>4</sup>	Weekly earnings <sup>5</sup>	
<u>Outside workers</u> (noncontinuous operations)												
Car dumpers:												
Union mines	32	\$3.18	34.5	\$109.00	30	\$3.10	35.5	\$109.50	207	\$3.08	35.5	\$109.50
Nonunion mines	-	-	-	-	12	1.72	23.5	40.50	28	1.58	40.0	63.00
Mechanics, maintenance:												
Union mines	73	3.30	37.5	123.50	136	3.36	37.5	126.00	548	3.39	39.0	131.50
Nonunion mines	13	1.96	47.0	92.00	26	2.86	40.0	114.50	27	2.34	48.5	114.00
Slate pickers:												
Union mines	10	3.16	30.5	96.50	35	3.16	38.5	121.50	238	3.10	37.0	115.00
Nonunion mines	13	1.89	40.5	76.50	78	1.83	40.0	73.50	67	1.41	40.0	56.50
Tipple operators:												
Union mines	63	3.19	36.5	116.00	112	3.21	37.0	119.50	380	3.25	38.5	124.50
Nonunion mines	13	1.94	40.0	77.50	60	1.87	40.5	75.50	171	1.72	45.0	77.00
Truckdrivers, other than trailer type:												
Union mines	16	3.27	25.0	82.00	39	3.17	34.0	108.50	307	3.05	38.5	117.00
Nonunion mines	17	1.53	40.0	61.50	62	1.84	43.0	79.00	91	1.65	39.0	64.50

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.

<sup>2</sup> For purposes of this survey, union mines include those in which a majority of the production workers were covered by the terms of labor-management contracts; nonunion mines include those in which none or a minority of such workers were covered by labor-management contracts.

<sup>3</sup> Includes data for States in addition to those shown separately.

<sup>4</sup> Average weekly hours were rounded to the nearest half hour.

<sup>5</sup> Average weekly earnings were rounded to the nearest half dollar.

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

Table 10. Underground Mines: Hourly Earnings Distribution—Continuous-Mining-Machine Operators

(Percent distribution of production workers by average straight-time hourly earnings,<sup>1</sup> United States, selected States and Coal Act Production Districts, November 1962)

Average hourly earnings <sup>1</sup>	United States <sup>2</sup>	Selected States			Selected Coal Act Production Districts				
		Illinois	Pennsylvania	West Virginia	1	2	3	7	8
Under \$ 3.00.....	4.8	-	5.1	5.4	<sup>3</sup> 16.7	-	<sup>4</sup> 9.9	-	<sup>5</sup> 17.5
\$ 3.00 and under \$ 3.10.....	2.6	-	1.0	-	3.2	-	-	-	-
\$ 3.10 and under \$ 3.20.....	1.0	-	.4	-	1.2	-	-	-	-
\$ 3.20 and under \$ 3.30.....	1.4	-	2.9	.9	9.5	-	2.5	-	-
\$ 3.30 and under \$ 3.40.....	84.9	-	90.7	93.7	69.4	100.0	87.7	100.0	82.5
\$ 3.40 and under \$ 3.50.....	5.4	100.0	-	-	-	-	-	-	-
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Number of workers.....	2,355	126	829	926	252	577	324	451	217
Average hourly earnings <sup>1</sup> .....	\$ 3.28	\$ 3.46	\$ 3.28	\$ 3.27	\$ 3.16	\$ 3.34	\$ 3.21	\$ 3.34	\$ 3.16

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.<sup>2</sup> Includes data for States in addition to those shown separately.<sup>3</sup> Workers were distributed as follows: 11.9 percent at \$2.30 to \$2.40; and 4.8 percent at \$2.50 to \$2.60.<sup>4</sup> Workers were distributed as follows: 6.2 percent at \$2 to \$2.10; and 3.7 percent at \$2.20 to \$2.30.<sup>5</sup> All workers were at \$2.30 to \$2.40.

NOTE: Because of rounding, sums of individual items may not equal 100.

Table 11. Underground Mines: Hourly Earnings Distribution—Cutting-Machine Operators

(Percent distribution of production workers by average straight-time hourly earnings,<sup>1</sup> United States, selected States and Coal Act Production Districts, November 1962)

Average hourly earnings <sup>1</sup>	United States <sup>2</sup>	Selected States									Selected Coal Act Production Districts					
		Alabama	Illinois	Kentucky			Ohio	Pennsylvania	Virginia	West Virginia	1	2	3	7	8	13
				Total	East	West										
Under \$ 1.50.....	4.2	-	-	4.4	5.7	-	2.1	0.8	2.4	1.1	1.8	-	-	1.0	9.0	-
\$ 1.50 and under \$ 1.60.....	.7	1.8	2.1	-	-	-	-	.8	2.1	.4	1.8	-	-	-	.9	1.7
\$ 1.60 and under \$ 1.70.....	.6	2.2	-	-	-	-	2.1	1.6	-	.6	4.8	-	-	1.8	-	2.1
\$ 1.70 and under \$ 1.80.....	2.8	-	-	5.0	5.7	2.9	-	1.6	9.7	1.9	3.6	-	-	9.3	2.9	-
\$ 1.80 and under \$ 1.90.....	3.1	-	-	4.0	4.3	2.9	-	.8	10.9	2.8	3.0	-	-	7.9	3.0	4.0
\$ 1.90 and under \$ 2.00.....	.8	-	-	2.2	2.8	-	-	1.4	-	.8	3.0	-	-	3.6	-	.8
\$ 2.00 and under \$ 2.10.....	3.5	-	1.1	7.2	7.6	5.8	2.1	-	12.3	2.4	-	-	10.9	4.1	4.0	-
\$ 2.10 and under \$ 2.20.....	1.8	4.4	-	-	-	-	8.3	2.4	3.3	-	9.0	-	-	1.0	.5	4.1
\$ 2.20 and under \$ 2.30.....	1.9	6.6	-	2.2	2.8	-	-	1.9	-	2.5	4.2	-	-	1.2	-	2.7
\$ 2.30 and under \$ 2.40.....	.9	-	-	-	-	-	-	-	-	2.8	1.6	-	-	7.3	-	.7
\$ 2.40 and under \$ 2.50.....	.3	-	-	1.7	2.2	-	2.1	-	-	-	-	-	-	-	-	.6
\$ 2.50 and under \$ 2.60.....	1.8	-	-	2.2	1.1	5.8	2.1	-	-	3.6	-	-	3.6	-	2.8	-
\$ 2.60 and under \$ 2.70.....	.8	-	-	1.3	-	5.8	-	-	-	1.4	-	-	2.4	-	.8	-
\$ 2.70 and under \$ 2.80.....	.3	-	1.1	-	-	-	2.1	-	-	.5	-	-	2.4	-	-	-
\$ 2.80 and under \$ 2.90.....	.2	-	-	-	-	-	2.1	-	-	-	-	-	-	-	-	-
\$ 2.90 and under \$ 3.00.....	.7	1.3	.5	-	-	-	-	-	-	1.6	-	-	-	-	1.4	1.2
\$ 3.00 and under \$ 3.10.....	5.5	22.6	-	16.2	-	70.8	2.1	-	3.6	2.9	-	-	-	8.3	1.0	21.1
\$ 3.10 and under \$ 3.20.....	7.4	61.1	4.8	1.3	-	5.8	-	4.3	-	7.5	6.6	2.3	6.1	16.8	.5	57.0
\$ 3.20 and under \$ 3.30.....	.9	-	-	-	-	-	-	-	-	1.3	-	-	6.1	-	-	6.6
\$ 3.30 and under \$ 3.40.....	56.3	-	-	49.6	64.3	-	70.8	83.5	52.8	65.9	60.2	97.7	43.0	54.6	66.5	-
\$ 3.40 and under \$ 3.50.....	4.5	-	90.4	-	-	-	2.1	-	-	-	-	-	-	-	-	-
\$ 3.50 and over.....	1.0	-	-	2.7	3.5	-	2.1	.8	-	1.2	1.8	-	5.5	-	.9	-
<b>Total.....</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Number of workers.....	3,815	226	187	597	460	137	96	370	422	1,499	166	214	330	493	1,688	242
Average hourly earnings <sup>1</sup> .....	\$ 2.98	\$ 2.94	\$ 3.37	\$ 2.88	\$ 2.88	\$ 2.88	\$ 3.08	\$ 3.17	\$ 2.69	\$ 3.08	\$ 2.88	\$ 3.33	\$ 2.94	\$ 2.97	\$ 2.88	\$ 2.96

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.

<sup>2</sup> Includes data for States in addition to those shown separately.

NOTE: Because of rounding, sums of individual items may not equal 100.

Table 12. Underground Mines: Hourly Earnings Distribution—Loaders, Hand

(Percent distribution of production workers by average straight-time hourly earnings, <sup>1</sup> United States, selected States and Coal Act Production Districts, November 1962)

Average hourly earnings <sup>1</sup>	United States <sup>2</sup>	Selected States							Selected Coal Act Production Districts				
		Alabama	Kentucky		Ohio	Pennsylvania	Virginia	West Virginia	1	3	7	8	13
			Total	East									
Under \$ 1.30	5.8	2.1	4.9	1.5	7.2	4.9	9.7	5.4	5.3	9.5	1.4	6.5	2.1
\$ 1.30 and under \$ 1.40	3.3	12.6	1.9	.8	1.2	4.9	1.7	2.2	6.3	5.0	1.9	.4	12.6
\$ 1.40 and under \$ 1.50	3.8	4.8	1.4	1.5	4.8	4.5	3.4	4.0	5.8	6.9	2.4	2.5	4.8
\$ 1.50 and under \$ 1.60	10.2	2.7	28.1	29.5	1.2	10.8	14.3	6.1	11.6	13.6	4.5	13.9	2.7
\$ 1.60 and under \$ 1.70	7.4	1.8	10.3	10.8	4.8	7.8	14.8	5.0	7.6	7.3	6.2	9.7	1.8
\$ 1.70 and under \$ 1.80	7.8	.9	29.6	31.0	2.4	.9	8.5	5.0	1.4	3.7	6.5	13.6	.9
\$ 1.80 and under \$ 1.90	6.4	.9	21.6	22.6	6.0	2.8	8.7	3.5	2.8	4.5	7.0	9.2	.9
\$ 1.90 and under \$ 2.00	3.0	-	-	-	4.8	5.9	5.3	2.8	5.8	2.2	5.3	2.3	-
\$ 2.00 and under \$ 2.10	7.6	11.5	1.4	1.5	36.1	5.4	10.1	6.0	5.8	7.6	3.9	7.0	11.5
\$ 2.10 and under \$ 2.20	5.0	8.0	.7	.8	9.6	2.1	11.0	3.3	2.1	4.9	2.9	5.8	8.0
\$ 2.20 and under \$ 2.30	6.1	-	-	-	7.2	4.0	3.6	10.2	3.9	6.7	2.7	9.4	-
\$ 2.30 and under \$ 2.40	2.6	7.1	-	-	2.4	-	2.7	2.7	-	3.7	1.4	2.2	7.1
\$ 2.40 and under \$ 2.50	2.5	.9	-	-	1.2	2.1	2.8	3.5	2.1	2.1	.6	4.3	.9
\$ 2.50 and under \$ 2.60	4.8	-	-	-	2.4	.5	.4	9.7	.5	3.0	10.9	5.0	-
\$ 2.60 and under \$ 2.70	1.9	6.4	-	-	2.4	-	-	2.6	-	2.8	.4	1.6	6.4
\$ 2.70 and under \$ 2.80	2.2	-	-	-	2.4	4.0	.4	3.7	3.9	5.6	2.7	.7	-
\$ 2.80 and under \$ 2.90	4.7	36.2	-	-	-	1.4	-	2.4	1.4	2.2	1.5	1.1	36.2
\$ 2.90 and under \$ 3.00	.9	-	-	-	1.2	.9	.8	1.3	.9	-	3.2	.4	-
\$ 3.00 and under \$ 3.10	4.2	3.6	-	-	2.4	8.7	1.1	6.1	8.6	1.3	9.1	2.8	3.6
\$ 3.10 and under \$ 3.20	6.0	.5	-	-	-	3.5	-	10.3	3.5	1.9	23.3	-	.5
\$ 3.20 and under \$ 3.30	.6	-	-	-	-	2.8	-	.9	2.8	1.9	.4	-	-
\$ 3.30 and under \$ 3.40	.4	-	-	-	-	4.2	-	.2	4.2	-	.4	-	-
\$ 3.40 and under \$ 3.50	.7	-	-	-	-	3.5	-	.8	3.5	.9	.4	.4	-
\$ 3.50 and under \$ 3.60	.2	-	-	-	-	2.1	-	-	2.1	-	-	-	-
\$ 3.60 and under \$ 3.70	.4	-	-	-	-	-	-	.7	-	.9	.2	.4	-
\$ 3.70 and under \$ 3.80	.2	-	-	-	-	-	-	.4	-	.9	-	-	-
\$ 3.80 and over	1.5	-	-	-	-	<sup>3</sup> 12.0	.4	1.1	8.3	1.7	.9	.7	-
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
Number of workers	5,920	563	690	658	166	425	1,161	2,831	432	1,072	1,165	2,413	563
Average hourly earnings <sup>1</sup>	\$ 2.15	\$ 2.30	\$ 1.65	\$ 1.68	\$ 2.01	\$ 2.49	\$ 1.82	\$ 2.32	\$ 2.38	\$ 2.09	\$ 2.43	\$ 1.95	\$ 2.30

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.<sup>2</sup> Includes data for States in addition to those shown separately.<sup>3</sup> Workers were distributed as follows: 6.4 percent at \$3.90 to \$4.20; and 5.6 percent at \$4.20 and over.

NOTE: Because of rounding, sums of individual items may not equal 100.

**Table 13. Underground Mines: Hourly Earnings Distribution—Mechanics, Maintenance (Inside)**

(Percent distribution of production workers by average straight-time hourly earnings, <sup>1</sup> United States, selected States and Coal Act Production Districts, November 1962)

Average hourly earnings <sup>1</sup>	United States <sup>2</sup>	Illinois	Selected States							Selected Coal Act Production Districts				
			Kentucky			Ohio	Pennsylvania	Virginia	West Virginia	1	2	3	7	8
			Total	East	West									
Under \$ 3.00 .....	3.0	1.9	3.4	1.7	5.8	0.9	0.9	<sup>3</sup> 16.9	1.9	5.9	-	1.5	-	8.3
\$ 3.00 and under \$ 3.10 .....	7.0	-	38.9	-	91.5	-	3.2	-	-	-	3.9	-	-	-
\$ 3.10 and under \$ 3.20 .....	.6	7.4	.4	-	.9	-	-	-	-	-	-	-	-	-
\$ 3.20 and under \$ 3.30 .....	7.2	-	.8	-	1.8	-	18.6	-	1.6	-	23.0	3.8	-	-
\$ 3.30 and under \$ 3.40 .....	81.7	90.4	56.5	98.3	-	99.1	76.2	83.1	96.4	94.1	71.6	94.7	100.0	91.5
\$ 3.40 and under \$ 3.50 .....	.4	.3	-	-	-	-	1.1	-	.2	-	1.4	-	-	.3
<b>Total</b> .....	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Number of workers .....	4,209	323	524	301	223	224	1,226	261	1,235	238	991	530	419	773
Average hourly earnings <sup>1</sup> .....	\$3.28	\$3.31	\$3.20	\$3.32	\$3.04	\$3.32	\$3.31	\$3.16	\$3.32	\$3.27	\$3.31	\$3.32	\$3.34	\$3.26

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.

<sup>2</sup> Includes data for States in addition to those shown separately.

<sup>3</sup> All workers were at \$ 2.30 to \$ 2.40.

NOTE: Because of rounding, sums of individual items may not equal 100.

Table 14. Underground Mines: Hourly Earnings Distribution--Motormen (Inside)

(Percent distribution of production workers by average straight-time hourly earnings,<sup>1</sup> United States, selected States and Coal Act Production Districts, November 1962)

Average hourly earnings <sup>1</sup>	United States <sup>2</sup>	Selected States									Selected Coal Act Production Districts					
		Alabama	Illinois	Kentucky			Ohio	Pennsylvania	Virginia	West Virginia	1	2	3	7	8	13
				Total	East	West										
Under \$ 1.50-----	1.7	-	1.9	6.0	7.2	-	1.1	-	2.3	0.7	-	-	-	1.1	4.2	-
\$ 1.50 and under \$ 1.60-----	1.2	-	1.3	4.4	3.3	9.4	-	0.2	6.2	-	0.9	-	-	-	2.7	-
\$ 1.60 and under \$ 1.70-----	.9	-	-	7.8	9.4	-	1.1	-	-	-	-	-	-	-	2.6	-
\$ 1.70 and under \$ 1.80-----	1.9	-	2.6	2.3	2.1	3.1	-	.4	5.1	2.5	1.8	-	2.3	5.9	1.7	-
\$ 1.80 and under \$ 1.90-----	1.0	4.1	-	1.4	1.6	-	-	-	6.0	.2	-	-	.8	1.1	1.8	4.0
\$ 1.90 and under \$ 2.00-----	( <sup>3</sup> )	-	-	-	-	-	-	.1	-	-	.6	-	-	-	-	-
\$ 2.00 and under \$ 2.10-----	1.9	-	-	-	-	-	2.2	-	12.2	1.5	-	-	5.8	3.3	2.5	.8
\$ 2.10 and under \$ 2.20-----	2.1	-	-	-	-	-	1.1	.2	10.5	1.5	2.7	-	6.9	1.1	2.7	-
\$ 2.20 and under \$ 2.30-----	1.1	-	-	-	-	-	1.1	.5	-	2.4	2.4	-	1.5	-	2.2	-
\$ 2.30 and under \$ 2.40-----	.7	-	-	-	-	-	-	-	6.8	-	-	-	-	-	2.0	-
\$ 2.40 and under \$ 2.50-----	.3	-	-	-	-	-	-	-	-	.7	-	-	1.5	-	.4	-
\$ 2.50 and under \$ 2.60-----	1.4	-	-	3.1	2.5	6.3	-	.2	-	2.2	.9	-	4.6	-	1.9	-
\$ 2.60 and under \$ 2.70-----	.2	-	1.3	1.1	-	6.3	-	-	-	-	-	-	-	-	-	-
\$ 2.70 and under \$ 2.80-----	.4	1.2	5.2	-	-	-	-	-	-	.6	-	-	.8	1.1	-	1.2
\$ 2.80 and under \$ 2.90-----	3.7	93.5	1.9	-	-	-	-	-	-	.2	-	-	-	.5	-	91.2
\$ 2.90 and under \$ 3.00-----	1.6	1.2	2.6	12.9	-	74.8	-	-	-	-	-	-	-	-	-	1.2
\$ 3.00 and under \$ 3.10-----	79.3	-	83.1	61.0	73.8	-	93.3	97.9	49.2	87.1	89.9	99.7	75.7	85.6	74.7	1.6
\$ 3.10 and over-----	.7	-	-	-	-	-	-	.4	1.8	.2	.9	.3	-	.5	.5	-
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	100.0	100.0	100.0
Number of workers-----	6,353	245	154	734	607	127	178	1,468	650	2,329	336	1,138	519	949	2,185	251
Average hourly earnings <sup>1</sup> -----	\$ 2.89	\$ 2.80	\$ 2.97	\$ 2.68	\$ 2.68	\$ 2.69	\$ 2.98	\$ 3.04	\$ 2.52	\$ 2.94	\$ 2.97	\$ 3.06	\$ 2.84	\$ 2.90	\$ 2.76	\$ 2.80

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.<sup>2</sup> Includes data for States in addition to those shown separately.<sup>3</sup> Less than 0.05 percent.

NOTE: Because of rounding, sums of individual items may not equal 100.

Table 15. Underground Mines: Hourly Earnings Distribution—Shuttle-Car Operators

(Percent distribution of production workers by average straight-time hourly earnings,<sup>1</sup> United States, selected States and Coal Act Production Districts, November 1962)

Average hourly earnings <sup>1</sup>	United States <sup>2</sup>	Selected States									Selected Coal Act Production Districts					
		Alabama	Illinois	Kentucky			Ohio	Pennsylvania	Virginia	West Virginia	1	2	3	7	8	13
				Total	East	West										
Under \$ 2.00.....	1.6	-	1.0	9.3	<sup>3</sup> 11.5	5.2	-	-	-	0.7	-	-	3.1	0.1	2.8	-
\$ 2.00 and under \$ 2.10.....	.6	-	-	-	-	-	1.6	-	3.0	1.0	-	-	2.5	1.5	.4	-
\$ 2.10 and under \$ 2.20.....	1.0	-	-	-	-	-	-	-	-	.9	-	-	3.7	-	-	-
\$ 2.20 and under \$ 2.30.....	1.2	-	-	-	-	-	-	-	10.8	1.5	-	-	-	.3	3.2	-
\$ 2.30 and under \$ 2.40.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
\$ 2.40 and under \$ 2.50.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
\$ 2.50 and under \$ 2.60.....	1.0	-	-	4.0	-	11.7	-	-	-	.9	-	-	-	-	1.0	-
\$ 2.60 and under \$ 2.70.....	.3	-	.2	1.8	-	5.2	-	-	-	.1	-	-	-	-	.1	-
\$ 2.70 and under \$ 2.80.....	.2	-	3.0	-	-	-	-	-	-	-	-	-	-	-	-	-
\$ 2.80 and under \$ 2.90.....	5.0	100.0	.4	-	-	-	-	-	7.5	-	-	-	-	-	1.1	90.6
\$ 2.90 and under \$ 3.00.....	2.3	-	-	11.9	-	34.5	-	-	-	1.8	-	-	5.5	-	.6	-
\$ 3.00 and under \$ 3.10.....	81.4	-	95.4	73.0	88.5	43.3	94.6	83.0	78.7	88.0	61.3	94.8	84.0	97.9	85.0	9.4
\$ 3.10 and under \$ 3.20.....	4.4	-	-	-	-	-	3.9	12.4	-	4.8	31.4	2.1	1.2	-	5.4	-
\$ 3.20 and under \$ 3.30.....	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
\$ 3.30 and under \$ 3.40.....	9	-	-	-	-	-	-	4.6	-	.4	7.3	3.1	-	.3	.4	-
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	100.0	100.0	100.0
Number of workers.....	6,668	309	501	892	585	307	129	1,090	333	2,820	382	708	650	749	2,361	341
Average hourly earnings <sup>1</sup> .....	\$ 3.00	\$ 2.86	\$ 3.06	\$ 2.87	\$ 2.89	\$ 2.83	\$ 3.04	\$ 3.08	\$ 2.91	\$ 3.01	\$ 3.11	\$ 3.07	\$ 2.94	\$ 3.04	\$ 2.98	\$ 2.88

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.

<sup>2</sup> Includes data for States in addition to those shown separately.

<sup>3</sup> Workers were distributed as follows: 5.3 percent at under \$ 1.70; 4.5 percent at \$ 1.70 to \$ 1.80; and 1.7 percent at \$ 1.80 to \$ 1.90.

NOTE: Because of rounding, sums of individual items may not equal 100.

Table 16. Underground Mines: Weekly Earnings Distribution--Continuous-Mining-Machine Operators

(Percent distribution of production workers by average straight-time weekly earnings,<sup>1</sup> United States, selected States and Coal Act Production Districts, November 1962)

Average weekly earnings <sup>1</sup>	United States <sup>2</sup>	Selected States			Selected Coal Act Production Districts				
		Illinois	Pennsylvania	West Virginia	1	2	3	7	8
Under \$ 75.....	1.8	1.6	2.9	1.5	0.8	3.8	-	-	7.4
\$ 75 and under \$ 80.....	.5	-	1.4	-	-	2.1	-	-	-
\$ 80 and under \$ 85.....	21.5	-	27.9	15.3	24.2	29.5	8.0	25.7	5.5
\$ 85 and under \$ 90.....	1.1	-	2.3	.6	.8	2.9	-	-	2.8
\$ 90 and under \$ 95.....	2.3	-	3.1	1.6	2.0	3.6	3.7	.4	4.1
\$ 95 and under \$ 100.....	1.2	-	1.8	1.3	4.8	.5	-	-	5.5
\$ 100 and under \$ 105.....	1.9	4.0	2.2	.2	6.0	.5	.6	-	-
\$ 105 and under \$ 110.....	10.2	-	11.3	10.3	12.7	10.7	13.9	8.9	5.5
\$ 110 and under \$ 115.....	2.8	7.9	4.7	1.6	1.2	6.2	4.0	.4	-
\$ 115 and under \$ 120.....	1.7	8.7	2.1	1.0	1.6	2.3	1.9	.4	.5
\$ 120 and under \$ 125.....	2.2	15.1	2.5	.9	7.1	.5	1.9	-	.9
\$ 125 and under \$ 130.....	2.1	6.3	.1	2.1	.4	-	5.6	-	.5
\$ 130 and under \$ 135.....	36.2	12.7	21.6	54.8	28.6	18.5	38.6	62.3	64.1
\$ 135 and under \$ 140.....	4.0	35.7	2.7	1.9	2.4	2.8	5.6	-	-
\$ 140 and under \$ 145.....	1.5	5.6	1.7	1.4	.8	2.1	3.4	-	.9
\$ 145 and under \$ 150.....	1.4	2.4	1.9	1.1	1.6	2.1	2.5	.4	1.8
\$ 150 and under \$ 155.....	2.7	-	.1	1.5	-	.2	4.3	-	-
\$ 155 and under \$ 160.....	.5	-	.5	.3	.4	.5	.6	-	.5
\$ 160 and under \$ 165.....	3.3	-	7.4	1.7	1.6	9.9	3.1	1.3	-
\$ 165 and under \$ 170.....	.5	-	.7	-	1.6	.3	-	-	-
\$ 170 and under \$ 175.....	.1	-	.4	-	-	.5	-	-	-
\$ 175 and over.....	.6	-	.7	.9	1.6	.3	2.5	-	-
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Number of workers.....	2,355	126	829	926	252	577	324	451	217
Average weekly hours <sup>3</sup> .....	35.5	37.0	33.5	36.5	35.5	33.0	39.5	35.0	37.0
Average weekly earnings <sup>4</sup> .....	\$116.00	\$128.00	\$110.50	\$120.00	\$112.50	\$110.00	\$126.00	\$117.50	\$116.50

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.<sup>2</sup> Includes data for States in addition to those shown separately.<sup>3</sup> Average weekly hours were rounded to the nearest half hour.<sup>4</sup> Average weekly earnings were rounded to the nearest half dollar.

NOTE: Because of rounding, sums of individual items may not equal 100.

Table 17. Underground Mines: Weekly Earnings Distribution—Cutting-Machine Operators

(Percent distribution of production workers by average straight-time weekly earnings, <sup>1</sup> United States, selected States and Coal Act Production Districts, November 1962)

Average weekly earnings <sup>1</sup>	United States <sup>2</sup>	Selected States									Selected Coal Act Production Districts					
		Alabama	Illinois	Kentucky			Ohio	Pennsylvania	Virginia	West Virginia	1	2	3	7	8	13
				Total	East	West										
Under \$ 50 -----	5.0	-	1.1	0.3	0.4	-	0.2	1.6	5.9	3.2	3.6	-	3.6	4.5	8.6	-
\$ 50 and under \$ 55 -----	1.3	0.9	-	-	-	-	10.4	3.0	-	1.8	1.8	3.7	1.2	2.2	.7	0.8
\$ 55 and under \$ 60 -----	2.5	-	1.6	4.4	5.7	-	-	1.4	8.5	1.8	3.0	-	1.2	4.7	3.7	-
\$ 60 and under \$ 65 -----	1.8	3.1	.5	3.9	5.0	-	-	.8	4.5	.8	3.0	-	3.6	2.0	1.9	2.9
\$ 65 and under \$ 70 -----	.3	-	-	-	-	-	-	1.9	-	.3	3.6	.5	1.2	-	-	-
\$ 70 and under \$ 75 -----	3.6	8.0	2.1	6.7	7.8	2.9	2.1	.8	11.8	1.1	3.0	-	2.4	6.5	3.7	7.4
\$ 75 and under \$ 80 -----	1.1	2.7	-	.7	-	2.9	-	2.2	1.2	1.2	4.8	-	5.5	-	.3	2.5
\$ 80 and under \$ 85 -----	6.2	-	-	7.2	7.6	5.8	8.3	8.9	8.5	3.3	1.2	14.5	7.3	2.6	4.7	-
\$ 85 and under \$ 90 -----	1.2	4.4	3.2	-	-	-	10.4	1.6	2.1	-	7.2	-	-	-	.5	4.1
\$ 90 and under \$ 95 -----	2.8	-	-	2.8	3.7	-	2.1	8.6	-	2.3	4.8	-	11.2	1.2	2.5	-
\$ 95 and under \$ 100 -----	3.4	11.9	1.1	2.7	2.2	4.4	-	4.9	3.3	3.5	-	-	8.4	7.3	5.7	11.2
\$ 100 and under \$ 105 -----	5.3	36.3	1.1	4.2	2.0	11.7	3.1	.5	-	6.0	-	.9	4.8	5.5	3.3	33.9
\$ 105 and under \$ 110 -----	5.6	.4	-	3.0	3.9	-	22.9	7.6	2.4	8.1	3.0	10.7	6.7	8.7	3.5	.4
\$ 110 and under \$ 115 -----	.9	-	4.8	-	-	-	3.1	-	-	1.5	-	-	-	-	1.3	-
\$ 115 and under \$ 120 -----	1.4	-	10.2	-	-	-	1.0	.3	-	2.2	.6	-	-	-	2.0	-
\$ 120 and under \$ 125 -----	3.9	10.6	3.2	15.2	.4	65.0	2.1	3.2	-	.8	7.2	-	.6	2.0	.1	9.9
\$ 125 and under \$ 130 -----	5.1	21.7	1.1	2.3	3.0	-	8.3	3.5	-	6.9	6.0	1.4	13.3	11.6	.9	20.2
\$ 130 and under \$ 135 -----	37.0	-	1.1	41.9	54.3	-	15.6	33.8	47.2	41.4	30.7	34.6	27.0	35.5	51.0	6.6
\$ 135 and under \$ 140 -----	2.0	-	18.2	-	-	-	3.1	3.2	.5	1.8	5.4	1.4	.6	-	1.6	-
\$ 140 and under \$ 145 -----	2.3	-	7.5	-	-	-	3.1	2.2	1.2	3.9	2.4	1.9	3.9	1.4	2.6	-
\$ 145 and under \$ 150 -----	1.4	-	18.7	1.2	-	5.1	-	1.1	-	.5	2.4	-	-	.8	.2	-
\$ 150 and under \$ 155 -----	.4	-	4.3	-	-	-	-	1.1	-	.1	2.4	-	-	-	.1	-
\$ 155 and under \$ 160 -----	.2	-	3.2	-	-	-	-	-	.1	.1	3.0	-	-	.4	-	-
\$ 160 and under \$ 165 -----	2.8	-	1.1	.3	.4	-	2.1	6.2	2.8	4.3	-	8.4	1.8	1.8	3.7	-
\$ 165 and under \$ 170 -----	.9	-	11.8	-	-	-	-	.3	-	.7	-	.5	1.2	1.0	.1	-
\$ 170 and under \$ 175 -----	.9	-	1.1	3.0	3.5	1.5	-	-	-	.9	-	-	3.0	-	1.2	-
\$ 175 and over -----	.9	-	3.2	.2	-	.7	-	1.4	-	1.5	.6	1.9	2.4	2.0	.2	-
<b>Total</b> -----	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Number of workers -----	3,815	226	187	597	460	137	96	370	422	1,499	166	214	330	493	1,688	242
Average weekly hours <sup>3</sup> -----	38.0	35.0	40.5	39.5	39.0	40.5	34.0	36.0	38.5	39.0	38.5	34.5	38.5	37.5	39.0	35.0
Average weekly earnings <sup>4</sup> -----	\$113.50	\$102.50	\$136.50	\$114.00	\$113.00	\$116.50	\$104.00	\$114.50	\$104.00	\$119.50	\$111.00	\$115.50	\$113.00	\$111.50	\$113.00	\$104.00

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.

<sup>2</sup> Includes data for States in addition to those shown separately.

<sup>3</sup> Average weekly hours were rounded to the nearest half hour.

<sup>4</sup> Average weekly earnings were rounded to the nearest half dollar.

NOTE: Because of rounding, sums of individual items may not equal 100.

Table 18. Underground Mines: Weekly Earnings Distribution—Loaders, Hand

(Percent distribution of production workers by average straight-time weekly earnings,<sup>1</sup> United States, selected States and Coal Act Production Districts, November 1962)

Average weekly earnings <sup>1</sup>	United States <sup>2</sup>	Selected States							Selected Coal Act Production Districts				
		Alabama	Kentucky		Ohio	Pennsylvania	Virginia	West Virginia	1	3	7	8	13
			Total	East									
Under \$25 -----	4.6	2.5	4.2	3.8	-	-	4.9	5.9	0.9	<sup>3</sup> 10.4	5.7	2.9	2.5
\$25 and under \$30 -----	1.6	.5	.6	-	1.2	2.8	2.0	1.7	2.8	3.7	2.0	.4	.5
\$30 and under \$35 -----	3.4	1.4	3.5	3.0	1.2	3.5	4.5	3.5	3.5	7.5	3.1	2.3	1.4
\$35 and under \$40 -----	2.3	.9	1.9	.8	3.6	2.8	3.3	2.1	3.2	4.5	2.9	.8	.9
\$40 and under \$45 -----	2.9	2.7	4.6	3.0	6.0	5.4	1.2	2.8	5.3	4.1	1.6	2.1	2.7
\$45 and under \$50 -----	6.3	9.2	12.8	13.4	1.2	1.9	7.3	4.8	1.9	8.8	4.3	6.9	9.2
\$50 and under \$55 -----	4.8	5.0	1.4	1.5	8.4	5.6	9.5	3.2	6.9	2.6	4.2	5.6	5.0
\$55 and under \$60 -----	3.2	5.0	1.4	1.5	3.6	2.6	1.7	3.8	3.9	4.7	4.8	1.4	5.0
\$60 and under \$65 -----	9.3	3.6	18.3	19.1	1.2	18.4	14.6	5.4	18.5	7.8	2.7	13.8	3.6
\$65 and under \$70 -----	6.7	8.7	5.2	5.5	3.6	7.1	10.4	5.3	7.4	6.9	5.2	7.2	8.7
\$70 and under \$75 -----	9.3	5.0	21.6	22.6	22.9	3.5	16.6	4.5	3.5	1.9	7.4	15.0	5.0
\$75 and under \$80 -----	5.7	-	.7	.8	4.8	7.1	6.3	7.7	6.9	1.1	4.5	9.6	-
\$80 and under \$85 -----	9.6	10.7	23.8	24.9	14.5	5.9	8.5	6.7	5.8	2.2	10.0	12.9	10.7
\$85 and under \$90 -----	2.9	.9	-	-	12.0	2.6	1.3	4.3	2.5	3.9	4.5	1.7	.9
\$90 and under \$95 -----	9.3	31.1	-	-	4.8	4.0	4.2	10.5	3.9	6.7	3.0	9.9	31.1
\$95 and under \$100 -----	3.3	4.4	-	-	1.2	1.6	1.7	5.1	1.6	3.2	6.7	2.1	4.4
\$100 and under \$105 -----	4.2	.5	-	-	1.2	.9	-	8.4	.9	3.0	10.8	3.4	.5
\$105 and under \$110 -----	1.1	-	-	-	3.6	3.1	-	1.5	3.0	2.2	1.6	-	-
\$110 and under \$115 -----	1.6	-	-	-	1.2	.7	-	3.1	.7	5.8	.7	.7	-
\$115 and under \$120 -----	1.1	8.0	-	-	1.2	-	.8	.3	-	.4	.3	.4	8.0
\$120 and under \$125 -----	1.1	-	-	-	1.2	.7	1.1	1.6	.7	2.8	.5	.9	-
\$125 and under \$130 -----	4.1	-	-	-	1.2	7.1	-	5.9	3.5	.9	13.4	-	-
\$130 and under \$135 -----	.7	-	-	-	-	7.1	-	.4	6.9	.9	-	-	-
\$135 and under \$140 -----	.4	-	-	-	-	3.5	-	.4	3.5	.9	-	-	-
\$140 and under \$145 -----	.2	-	-	-	-	2.1	-	-	2.1	-	-	-	-
\$145 and under \$150 -----	.2	-	-	-	-	-	-	.5	-	1.3	-	-	-
\$150 and over -----	.3	-	-	-	-	-	-	.6	-	1.7	-	-	-
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
Number of workers -----	5,920	563	690	658	166	425	1,161	2,831	432	1,072	1,165	2,413	563
Average weekly hours <sup>4</sup> -----	34.0	33.5	38.0	38.5	36.5	32.0	34.0	33.0	32.0	33.0	32.0	36.0	33.5
Average weekly earnings <sup>5</sup> -----	\$73.00	\$76.50	\$63.00	\$64.50	\$73.50	\$79.50	\$62.00	\$77.00	\$76.50	\$68.50	\$78.00	\$70.00	\$76.50

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.<sup>2</sup> Includes data for States in addition to those shown separately.<sup>3</sup> Workers were distributed as follows: 4.6 percent at under \$15; 2.1 percent at \$15 to \$20; and 3.7 percent at \$20 to \$25.<sup>4</sup> Average weekly hours were rounded to the nearest half hour.<sup>5</sup> Average weekly earnings were rounded to the nearest half dollar.

NOTE: Because of rounding, sums of individual items may not equal 100.

Table 19. Underground Mines: Weekly Earnings Distribution—Mechanics, Maintenance (Inside)

(Percent distribution of production workers by average straight-time weekly earnings, <sup>1</sup> United States, selected States and Coal Act Production Districts, November 1962)

Average weekly earnings <sup>1</sup>	United States <sup>2</sup>	Selected States								Selected Coal Act Production Districts				
		Illinois	Kentucky			Ohio	Pennsylvania	Virginia	West Virginia	1	2	3	7	8
			Total	East	West									
Under \$ 75.....	2.1	1.5	0.4	0.7	-	1.8	5.1	1.5	1.0	7.1	4.6	0.8	0.7	1.4
\$ 75 and under \$ 80.....	3.7	-	.8	-	1.8	-	12.3	-	-	-	15.2	-	-	-
\$ 80 and under \$ 85.....	6.9	.6	-	-	-	2.2	5.7	-	1.1	11.8	4.2	1.3	1.2	.3
\$ 85 and under \$ 90.....	3.1	.6	-	-	-	-	10.0	-	.2	1.3	12.3	.4	-	-
\$ 90 and under \$ 95.....	1.2	-	-	-	-	.4	1.7	3.1	-	3.8	1.2	-	-	1.0
\$ 95 and under \$ 100.....	1.4	-	-	-	-	.9	.2	1.5	-	-	.3	-	-	.5
\$ 100 and under \$ 105.....	1.6	.9	1.5	-	3.6	1.8	3.3	1.5	.2	.8	3.9	.4	-	.5
\$ 105 and under \$ 110.....	6.5	1.9	.8	1.3	-	4.9	5.0	3.1	13.0	10.1	3.7	7.2	5.0	5.0
\$ 110 and under \$ 115.....	4.1	3.4	1.0	1.7	-	.9	10.1	-	2.6	.8	12.3	5.8	.2	.6
\$ 115 and under \$ 120.....	2.0	5.0	.2	-	.4	3.1	2.5	3.1	1.7	4.6	2.0	2.5	.5	1.8
\$ 120 and under \$ 125.....	4.8	1.9	28.1	-	65.9	2.7	.7	3.1	2.1	.8	.7	4.3	.2	1.3
\$ 125 and under \$ 130.....	3.7	2.8	1.5	-	3.6	11.6	3.7	-	2.3	2.5	3.9	4.7	-	.5
\$ 130 and under \$ 135.....	34.3	19.5	52.7	91.7	-	31.7	19.6	83.1	40.7	35.3	15.7	24.3	85.0	66.1
\$ 135 and under \$ 140.....	3.7	4.0	.8	1.3	-	2.2	3.8	-	7.1	2.5	4.0	7.9	1.9	5.4
\$ 140 and under \$ 145.....	3.1	9.0	1.0	1.3	.4	1.3	2.4	-	4.8	1.7	2.6	5.8	.5	3.9
\$ 145 and under \$ 150.....	2.7	1.9	5.3	-	12.6	2.2	2.4	-	3.6	4.2	2.0	4.0	2.9	1.6
\$ 150 and under \$ 155.....	2.2	3.4	1.3	-	3.1	10.7	.5	-	3.5	-	.6	5.8	.5	1.3
\$ 155 and under \$ 160.....	1.0	3.7	.8	-	1.8	.9	.2	-	1.9	.8	.1	2.8	.5	.8
\$ 160 and under \$ 165.....	5.0	12.7	.4	.7	-	17.9	5.5	-	4.7	7.6	5.0	8.9	.5	1.4
\$ 165 and under \$ 170.....	1.5	5.9	2.9	1.3	4.9	2.7	.5	-	1.5	.8	.4	2.1	-	1.6
\$ 170 and under \$ 175.....	1.4	4.0	-	-	-	-	1.5	-	2.2	1.3	1.5	3.2	.5	1.0
\$ 175 and over.....	4.0	<sup>3</sup> 17.3	.8	-	1.8	-	3.1	-	5.7	2.1	3.3	7.7	-	3.9
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	100.0
Number of workers.....	4,209	323	524	301	223	224	1,226	261	1,235	238	991	530	419	773
Average weekly hours <sup>4</sup> .....	38.5	44.5	41.0	40.0	43.0	40.5	34.5	40.5	40.5	37.0	34.0	42.0	39.5	41.0
Average weekly earnings <sup>5</sup> .....	\$ 125.50	\$ 147.50	\$ 131.50	\$ 133.00	\$ 130.00	\$ 135.00	\$ 114.00	\$ 128.50	\$ 135.00	\$ 120.50	\$ 112.50	\$ 139.50	\$ 131.50	\$ 134.00

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.

<sup>2</sup> Includes data for States in addition to those shown separately.

<sup>3</sup> Workers were distributed as follows: 5.9 percent at \$ 175 to \$ 180; 4.3 percent at \$ 180 to \$ 185; 3.1 percent at \$ 185 to \$ 190; and 4.0 percent at \$ 190 and over.

<sup>4</sup> Average weekly hours were rounded to the nearest half hour.

<sup>5</sup> Average weekly earnings were rounded to the nearest half dollar.

NOTE: Because of rounding, sums of individual items may not equal 100.

Table 20. Underground Mines: Weekly Earnings Distribution—Motormen (Inside)

(Percent distribution of production workers by average straight-time weekly earnings,<sup>1</sup> United States, selected States and Coal Act Production Districts, November 1962)

Average weekly earnings <sup>1</sup>	United States <sup>2</sup>	Selected States									Selected Coal Act Production Districts					
		Alabama	Illinois	Kentucky			Ohio	Pennsylvania	Virginia	West Virginia	1	2	3	7	8	13
				Total	East	West										
Under \$50-----	2.9	3.3	0.6	1.8	2.1	-	7.9	2.1	5.2	2.5	2.4	2.0	2.7	4.0	3.7	3.2
\$50 and under \$55-----	.3	-	-	.7	.8	-	1.1	.1	-	.3	-	.2	-	-	.5	-
\$55 and under \$60-----	2.0	-	1.3	3.5	4.3	-	.6	.5	7.1	1.8	-2.1	-	.8	4.5	3.1	-
\$60 and under \$65-----	2.7	2.0	-	7.4	6.9	9.4	-	2.7	8.3	.6	.9	3.2	1.5	1.8	3.9	2.8
\$65 and under \$70-----	.6	-	1.3	2.7	3.3	-	-	-	.6	.6	-	-	.8	1.1	1.1	-
\$70 and under \$75-----	11.2	3.3	-	6.7	7.4	3.1	5.6	24.9	7.8	4.0	26.8	24.3	2.1	8.9	4.0	3.2
\$75 and under \$80-----	2.8	-	1.9	.4	-	2.4	2.8	9.5	3.1	.2	3.6	11.2	.8	.1	.9	-
\$80 and under \$85-----	2.1	-	2.6	-	-	-	-	3.9	6.9	1.2	-	5.0	4.6	.9	1.8	-
\$85 and under \$90-----	2.4	-	3.2	-	-	-	1.7	3.7	6.5	1.7	2.7	4.5	6.9	-	2.1	-
\$90 and under \$95-----	4.7	70.6	-	.7	-	3.9	3.9	2.2	2.5	1.8	1.8	2.4	.8	-	2.5	68.9
\$95 and under \$100-----	8.6	-	8.4	1.1	1.3	-	18.0	13.0	.8	12.2	11.6	13.4	15.0	10.0	2.0	-
\$100 and under \$105-----	3.7	-	2.6	3.5	1.6	12.6	10.7	5.4	-	4.4	1.5	6.5	13.1	.9	1.6	-
\$105 and under \$110-----	1.1	-	6.5	2.2	2.6	-	1.7	.8	.6	1.0	2.4	.4	1.9	.4	1.3	-
\$110 and under \$115-----	1.6	18.0	2.6	-	-	-	-	1.1	.8	1.2	4.5	.1	.8	.2	1.2	17.5
\$115 and under \$120-----	1.6	2.4	-	10.1	-	58.3	7.9	-	-	.2	-	-	-	.5	-	2.4
\$120 and under \$125-----	39.1	.4	33.1	57.5	69.5	-	26.4	20.5	42.2	46.6	30.1	17.6	24.1	60.3	55.4	2.0
\$125 and under \$130-----	6.0	-	7.1	-	-	-	8.4	5.2	.3	11.6	5.4	5.1	11.0	1.7	9.1	-
\$130 and under \$135-----	2.3	-	8.4	-	-	-	-	.7	-	2.2	2.1	.4	5.8	.4	2.2	-
\$135 and under \$140-----	.7	-	-	1.6	-	9.4	-	.1	4.9	1.0	.6	-	1.5	.2	.6	-
\$140 and under \$145-----	.3	-	1.3	-	-	-	1.1	.3	-	.3	.6	.3	.2	.4	.1	-
\$145 and under \$150-----	2.3	-	9.7	-	-	-	1.1	2.1	1.8	3.6	1.2	2.4	1.7	3.4	2.5	-
\$150 and over-----	1.2	-	9.1	.1	-	.8	1.1	1.1	.6	1.0	-	1.4	3.9	.2	.3	-
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	100.0	100.0	100.0
Number of workers-----	6,353	245	154	734	607	127	178	1,468	650	2,329	336	1,138	519	949	2,185	251
Average weekly hours <sup>3</sup> -----	36.5	33.0	41.0	40.0	39.5	40.5	34.5	31.5	38.5	38.5	33.5	30.5	38.5	37.0	39.5	33.5
Average weekly earnings <sup>4</sup> -----	\$105.00	\$93.00	\$121.50	\$107.00	\$106.50	\$108.50	\$103.50	\$95.50	\$97.50	\$113.00	\$99.00	\$94.00	\$109.50	\$108.00	\$109.50	\$93.50

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.<sup>2</sup> Includes data for States in addition to those shown separately.<sup>3</sup> Average weekly hours were rounded to the nearest half hour.<sup>4</sup> Average weekly earnings were rounded to the nearest half dollar.

NOTE: Because of rounding, sums of individual items may not equal 100.

Table 21. Underground Mines: Weekly Earnings Distribution—Shuttle-Car Operators

(Percent distribution of production workers by average straight-time weekly earnings,<sup>1</sup> United States, selected States and Coal Act Production Districts, November 1962)

Average weekly earnings <sup>1</sup>	United States <sup>2</sup>	Selected States									Selected Coal Act Production Districts					
		Alabama	Illinois	Kentucky			Ohio	Pennsylvania	Virginia	West Virginia	1	2	3	7	8	13
				Total	East	West										
Under \$ 50	2.2	0.6	0.8	0.2	0.3	-	6.2	5.7	3.0	2.0	0.5	8.5	1.2	0.8	2.3	0.6
\$ 50 and under \$ 55	.2	-	.6	-	-	-	.8	.3	-	.3	-	.4	-	-	.3	-
\$ 55 and under \$ 60	.4	-	.6	2.9	4.4	-	-	-	-	-	-	-	-	-	1.1	-
\$ 60 and under \$ 65	1.2	-	-	-	-	-	-	5.2	-	.7	.5	7.8	3.1	-	-	-
\$ 65 and under \$ 70	.2	1.3	.2	.6	.9	-	1.6	.1	-	-	-	.1	-	-	.2	1.2
\$ 70 and under \$ 75	9.1	4.2	.6	5.2	6.5	2.6	.8	24.0	-	4.7	22.0	25.1	1.7	13.8	2.2	3.8
\$ 75 and under \$ 80	1.2	-	1.4	1.8	-	5.2	5.4	4.1	1.2	.1	5.8	3.2	-	.4	.2	-
\$ 80 and under \$ 85	.4	-	.2	-	-	-	4.7	.5	-	.6	1.3	-	.9	1.6	-	-
\$ 85 and under \$ 90	1.6	-	-	.4	.7	-	-	2.8	10.5	1.3	1.8	3.4	3.7	.3	2.1	-
\$ 90 and under \$ 95	3.6	50.2	-	.9	.3	2.0	10.1	1.0	-	.4	2.9	-	-	.3	.5	45.5
\$ 95 and under \$ 100	6.9	2.3	6.6	2.8	4.1	.3	26.4	5.5	1.2	10.0	3.4	6.6	18.8	5.9	2.5	2.1
\$ 100 and under \$ 105	2.6	-	1.2	5.8	-	16.9	5.4	2.6	2.4	2.4	4.5	1.6	3.4	.3	2.2	-
\$ 105 and under \$ 110	1.8	-	9.0	3.4	5.1	-	4.7	3.0	-	.2	5.2	1.8	.5	-	1.4	-
\$ 110 and under \$ 115	2.9	29.8	4.6	-	-	-	.8	1.7	2.7	1.7	3.9	.6	1.1	-	2.2	27.0
\$ 115 and under \$ 120	3.5	11.3	3.4	8.4	-	24.4	4.7	.6	-	3.3	.5	.6	9.2	1.9	.8	10.3
\$ 120 and under \$ 125	47.6	.3	30.3	65.7	77.3	43.6	22.5	25.0	72.7	55.1	20.9	27.3	36.2	69.7	67.9	9.7
\$ 125 and under \$ 130	5.6	-	8.6	.2	.3	-	3.1	7.7	1.2	7.1	14.4	4.1	10.2	2.1	5.3	-
\$ 130 and under \$ 135	2.2	-	11.8	-	-	-	2.3	2.1	-	2.1	3.4	1.4	2.8	.3	1.7	-
\$ 135 and under \$ 140	1.0	-	4.2	.9	-	2.6	-	.2	1.5	.9	.5	-	2.2	-	.7	-
\$ 140 and under \$ 145	.2	-	.4	-	-	-	-	-	-	.4	-	-	.6	-	.3	-
\$ 145 and under \$ 150	3.5	-	5.6	-	-	-	.8	4.3	3.6	5.2	4.2	4.4	3.4	1.9	5.2	-
\$ 150 and over	2.0	-	<sup>3</sup> 10.0	.8	-	2.3	-	3.5	-	1.2	4.2	3.1	1.2	.9	.8	-
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	100.0	100.0	100.0
Number of workers	6,668	309	501	892	585	307	129	1,090	333	2,820	382	708	650	749	2,361	341
Average weekly hours <sup>4</sup>	37.5	35.0	41.0	39.5	39.0	40.0	33.0	32.5	40.0	38.5	34.5	31.5	38.5	37.0	39.5	35.5
Average weekly earnings <sup>5</sup>	\$112.00	\$100.00	\$125.00	\$113.50	\$113.00	\$113.50	\$101.00	\$99.50	\$116.00	\$116.00	\$107.00	\$96.00	\$113.50	\$113.00	\$118.00	\$102.00

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.

<sup>2</sup> Includes data for States in addition to those shown separately.

<sup>3</sup> Workers were distributed as follows: 6.4 percent at \$ 150 to \$ 160; and 3.6 percent at \$ 160 and over.

<sup>4</sup> Average weekly hours were rounded to the nearest half hour.

<sup>5</sup> Average weekly earnings were rounded to the nearest half dollar.

NOTE: Because of rounding, sums of individual items may not equal 100.

Table 22. Underground Mines: Scheduled Weekly Hours

(Percent of production workers by scheduled weekly hours of day-shift workers, United States, selected States and Coal Act Production Districts, November 1962)

Weekly hours	United States <sup>1</sup>	Selected States								Selected Coal Act Production Districts						
		Alabama	Illinois	Kentucky			Ohio	Pennsylvania	Virginia	West Virginia	1	2	3	7	8	13
				Total	East	West										
All workers <sup>2</sup>	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Under 24 hours	2	4	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	-	-	4	-	1	6	3	1	1	4	
24 hours	10	4	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	-	-	25	5	7	24	25	-	14	4	
Over 24 and under 32 hours	2	2	2	-	-	-	1	2	2	3	-	4	3	3	1	
32 hours	10	20	9	1	2	-	6	21	2	9	4	28	12	13	1	
Over 32 and under 36 <sup>1</sup> / <sub>4</sub> hours	1	-	( <sup>3</sup> )	-	-	-	2	1	-	1	-	1	1	-	1	
36 <sup>1</sup> / <sub>4</sub> hours	11	8	11	12	12	12	15	7	12	12	8	6	10	9	14	
Over 36 <sup>1</sup> / <sub>4</sub> and under 40 hours	( <sup>3</sup> )	2	1	1	1	-	2	-	1	-	-	-	-	-	1	
40 hours	61	59	61	81	79	85	74	35	78	63	57	26	73	55	74	
Over 40 hours	4	-	16	4	5	2	-	6	-	3	1	8	-	5	3	
Inside workers	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Under 24 hours	1	3	-	( <sup>3</sup> )	1	-	-	1	-	( <sup>3</sup> )	2	1	2	-	( <sup>3</sup> )	
24 hours	12	5	( <sup>3</sup> )	( <sup>3</sup> )	( <sup>3</sup> )	-	-	29	6	9	29	29	-	16	5	
Over 24 and under 32 hours	1	-	-	-	-	-	-	( <sup>3</sup> )	3	1	-	( <sup>3</sup> )	2	1	1	
32 hours	12	24	11	2	2	-	8	25	2	11	5	33	14	15	1	
Over 32 and under 40 hours	1	1	-	-	-	-	3	-	-	1	-	-	1	-	1	
40 hours	71	67	75	93	92	97	89	39	89	75	64	29	82	63	88	
Over 40 hours	4	-	13	5	5	3	-	6	-	3	-	8	-	4	3	
Outside workers (noncontinuous operations)	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Under 24 hours	9	12	1	-	-	-	-	19	-	6	25	17	-	7	4	
24 hours	1	-	-	-	-	-	-	( <sup>3</sup> )	1	1	1	1	-	3	1	
Over 24 and under 32 hours	9	15	10	-	-	-	6	16	1	9	-	24	8	10	( <sup>3</sup> )	
32 hours	1	-	1	-	-	-	-	( <sup>3</sup> )	1	1	1	-	3	3	-	
Over 32 and under 36 <sup>1</sup> / <sub>4</sub> hours	1	-	2	-	-	-	-	6	-	-	-	9	-	-	-	
36 <sup>1</sup> / <sub>4</sub> hours	61	53	56	71	70	73	82	45	58	67	47	44	59	56	75	
Over 36 <sup>1</sup> / <sub>4</sub> and under 40 hours	2	3	3	5	7	-	3	-	5	-	-	-	-	-	3	
40 hours	13	16	4	23	21	27	10	8	34	10	23	1	30	11	14	
Over 40 hours	5	-	24	1	1	-	-	5	-	5	4	6	-	11	3	

<sup>1</sup> Includes data for States in addition to those shown separately.<sup>2</sup> Includes workers on continuous operations in addition to inside and outside workers shown separately.<sup>3</sup> Less than 0.5 percent.

NOTE: Because of rounding, sums of individual items may not equal 100.

Table 23. Underground Mines: Overtime Premium Pay

(Percent of production workers in mines with provisions for daily or weekly overtime by rate of pay and hours after which effective, United States, selected States and Coal Act Production Districts, November 1962)

Item	United States <sup>1</sup>	Selected States								Selected Coal Act Production Districts						
		Alabama	Illinois	Kentucky			Ohio	Pennsylvania	Virginia	West Virginia	1	2	3	7	8	13
				Total	East	West										
<b>Inside workers</b>																
<u>Daily overtime</u>																
Time and one-half effective after—																
8 hours.....	83	83	97	80	76	90	89	93	80	75	78	99	66	95	71	84
Other.....	( <sup>2</sup> )	-	2	1	-	3	-	-	-	1	-	-	3	-	-	-
No premium pay.....	5	14	2	17	24	-	10	7	-	1	22	( <sup>2</sup> )	3	-	7	13
No formal policy.....	11	3	-	2	-	7	2	( <sup>2</sup> )	20	23	-	( <sup>2</sup> )	28	5	22	3
<u>Weekly overtime</u>																
Time and one-half effective after—																
40 hours.....	97	94	98	96	96	97	98	99	100	95	99	100	95	95	97	90
Other.....	( <sup>2</sup> )	-	2	1	-	3	-	-	-	1	-	-	3	-	-	-
No premium pay.....	1	5	1	3	4	-	-	( <sup>2</sup> )	-	-	1	-	-	-	1	5
No formal policy.....	2	1	-	-	-	-	2	( <sup>2</sup> )	-	4	1	-	1	5	2	5
<b>Outside workers (noncontinuous operations)</b>																
<u>Daily overtime</u>																
Time and one-half effective after—																
7½ hours.....	72	78	79	71	70	73	89	93	58	70	79	99	67	87	63	81
8 hours.....	9	6	3	15	13	19	2	1	14	3	3	( <sup>2</sup> )	4	8	7	5
Other.....	2	-	16	-	-	-	-	-	-	1	-	-	-	-	2	-
No premium pay.....	4	13	2	12	17	-	4	6	-	( <sup>2</sup> )	18	-	1	-	4	12
No formal policy.....	13	2	-	2	-	9	5	( <sup>2</sup> )	27	25	-	( <sup>2</sup> )	29	5	25	2
<u>Weekly overtime</u>																
Time and one-half effective after—																
36¼ hours.....	77	69	79	71	70	73	89	93	58	86	79	99	67	87	79	61
40 hours.....	19	27	4	28	29	27	6	7	39	13	21	( <sup>2</sup> )	33	8	20	24
Other.....	1	-	16	-	-	-	-	-	-	-	-	-	-	-	-	-
No premium pay.....	1	3	1	1	1	-	-	-	-	-	-	-	-	-	( <sup>2</sup> )	3
No formal policy.....	1	1	-	-	-	-	5	-	3	1	-	-	-	5	( <sup>2</sup> )	12

<sup>1</sup> Includes data for States in addition to those shown separately.

<sup>2</sup> Less than 0.5 percent.

NOTE: Because of rounding, sums of individual items may not equal 100.

Table 24. Underground Mines: Shift Differential Practices

(Percent of production workers employed on late shifts by amount of pay differential, United States, selected States and Coal Act Production Districts, November 1962)

Shift differential	United States <sup>1</sup>	Selected States								Selected Coal Act Production Districts						
		Alabama	Illinois	Kentucky			Ohio	Pennsylvania	Virginia	West Virginia	1	2	3	7	8	13
				Total	East	West										
<u>Second shift</u>																
Workers employed on second shifts .....	30.3	29.0	33.7	36.2	34.7	40.3	23.2	31.8	24.7	30.3	30.4	32.3	27.5	30.3	31.6	29.0
Receiving shift differential .....	26.8	25.9	33.7	29.6	27.3	36.1	23.2	30.3	19.9	25.8	25.7	32.3	20.1	26.4	26.6	26.1
Uniform cents per hour .....	26.8	25.9	33.7	29.6	27.3	36.1	23.2	30.3	19.9	25.8	25.7	32.3	20.1	26.4	26.6	26.1
4 cents .....	26.7	25.9	33.7	29.6	27.3	36.1	23.2	30.3	19.9	25.6	25.7	32.3	19.6	26.4	26.6	26.1
5 cents .....	.1	-	-	-	-	-	-	-	-	.1	-	-	.5	-	-	-
Receiving no shift differential .....	3.5	3.1	-	6.6	7.4	4.2	-	1.4	4.8	4.5	4.7	-	7.4	4.0	5.0	2.9
<u>Third or other late shift</u>																
Workers employed on third or other late shifts .....	10.6	5.4	7.1	7.1	8.3	3.7	16.6	13.8	8.3	12.3	14.1	13.7	14.1	12.1	9.4	5.1
Receiving shift differential .....	10.3	4.7	7.1	6.8	8.3	2.4	16.6	13.8	8.3	12.0	14.1	13.7	13.5	12.1	9.1	4.4
Uniform cents per hour .....	10.3	4.7	7.1	6.8	8.3	2.4	16.6	13.8	8.3	12.0	14.1	13.7	13.5	12.1	9.1	4.4
5 cents .....	-	-	-	-	-	-	-	-	-	.1	-	-	.3	-	-	-
6 cents .....	10.3	4.7	7.1	6.8	8.3	2.4	16.6	13.8	8.3	11.9	14.1	13.7	13.2	12.1	9.1	4.4
Receiving no shift differential .....	.2	.7	-	.3	-	1.3	-	-	-	.4	-	-	.6	-	.3	.6

<sup>1</sup> Includes data for States in addition to those shown separately.<sup>2</sup> Less than 0.05 percent.

NOTE: Because of rounding, sums of individual items may not equal totals.

Table 25. Underground Mines: Health, Insurance, and Pension Plans

(Percent of production workers in mines having contracts with United Mine Workers of America (UMWA) and in other mines with specified health, insurance, and pension plans, United States, selected States and Coal Act Production Districts, November 1962)

Type of plan <sup>1</sup>	United States <sup>2</sup>	Selected States									Selected Coal Act Production Districts					
		Alabama	Illinois	Kentucky			Ohio	Pennsylvania	Virginia	West Virginia	1	2	3	7	8	13
				Total	East	West										
All workers	100	100	100	100	100	100	100	100	100	100	100	100	100	100	100	
Workers in mines having contracts with UMWA <sup>3</sup>	86	95	81	75	73	80	87	93	62	89	78	99	68	91	83	95
Workers in other mines providing:																
Life insurance	4	1	14	4	6	-	6	-	13	2	-	-	5	-	7	1
Accidental death and dismemberment insurance	3	-	14	4	6	-	6	-	-	2	-	-	5	-	4	-
Sickness and accident insurance <sup>4</sup>	2	-	14	2	2	-	1	-	-	2	-	-	5	-	2	-
Hospitalization insurance	4	-	14	3	3	5	7	2	13	3	6	-	6	2	4	-
Surgical insurance	4	-	14	3	3	5	7	2	13	3	6	-	6	2	4	-
Medical insurance	3	-	14	3	3	5	1	-	13	2	-	-	6	-	4	-
Catastrophe insurance	( <sup>5</sup> )	-	1	( <sup>5</sup> )	( <sup>5</sup> )	-	-	-	-	( <sup>5</sup> )	-	-	-	-	( <sup>5</sup> )	-
Retirement pension	1	-	14	-	-	-	-	-	-	-	-	-	-	-	-	-
Other plans	1	-	-	-	-	-	-	-	-	1	-	-	-	-	2	-
No plans	9	4	4	19	21	15	6	5	25	8	17	( <sup>5</sup> )	26	7	10	4

<sup>1</sup> Includes only those plans for which at least part of the cost is borne by the employer. Legally required plans such as workmen's compensation and social security were excluded; however, those plans required by Temporary Disability Insurance Laws were included if financed at least in part by the employer.

<sup>2</sup> Includes data for States in addition to those shown separately.

<sup>3</sup> The UMWA Welfare and Retirement Fund provided hospital and medical care benefits, benefits to widows and orphans, and pension benefits. The estimates in this table relate to the proportion of workers in mines having contracts with the UMWA; the proportion of workers actually eligible for these benefits are believed to be somewhat smaller as explained in the text.

<sup>4</sup> None of the mines visited had sick leave plans.

<sup>5</sup> Less than 0.5 percent.

## Part II: Surface Mines

### Average Hourly Earnings

Straight-time hourly earnings of the 14,763 production and related workers in surface mines covered by the study averaged \$2.87 in November 1962 (table 26). Averages in the three States for which separate data are published were: \$3.44 in Illinois, \$2.63 in Ohio, and \$2.08 in Pennsylvania. Workers in Coal Act Production District 1 (Eastern Pennsylvania) averaged \$1.97 an hour.

Nationwide, workers in mines employing 100 or more averaged \$3.41 an hour, compared with \$2.64 for workers in mines employing a smaller number of workers. Workers in mines having labor-management contracts averaged \$1.25 an hour more than workers in the nonorganized mines—\$3.37 compared with \$2.12. Mines having labor-management contracts accounted for all of the employment in the larger mines and 43 percent of the workers in surface mines employing fewer than 100.

Individual hourly earnings in surface mines were more widely dispersed than those in underground mines (table 27). In the earnings array, the middle half of the workers in surface mines had hourly earnings ranging between \$2.23 and \$3.42. (The corresponding range for workers in underground mines was \$3.01 to \$3.30.) Much of this dispersion is accounted for by differences in wage levels among the States. In each of the States for which separate data are provided, individual earnings were more closely grouped. This was particularly true in Illinois, where seven-tenths of the workers earned between \$3.30 and \$3.60 an hour.

### Average Weekly Earnings

Workers in surface mines averaged \$121 a week at the time of the study. Although hourly earnings of these workers averaged 10 cents less than earnings of workers in underground mines, their average weekly earnings were higher by \$12. Weekly hours for workers in surface mines averaged 42, compared with 36½ for those in underground mines.

Weekly earnings of surface-mine workers were \$151 in Illinois, \$107.50 in Ohio, and \$92.50 in Pennsylvania. Workers in CAP District 1 averaged \$89 a week.

Nationwide, workers in mines with labor-management contract agreements averaged \$43 a week more than workers in mines not having such agreements, but worked an average of 4 hours a week less. Workers in mines employing 100 or more averaged \$35.50 a week more than workers in the smaller mines. Workers in the larger mines worked an average of 1 hour more than those in mines employing fewer than 100.

Approximately 3 percent of the workers earned less than \$50 a week; 26.5 percent earned between \$50 and \$100; 48.4 earned between \$100 and \$150; and 22 percent earned \$150 or more. Most of the workers earning \$175 or more were in Illinois (table 28). Information on the distribution of weekly earnings by hours worked is provided in table 29.

## Occupational Earnings

The occupational classifications for which average straight-time hourly and weekly earnings are presented in table 30 accounted for approximately four-fifths of the production workers in surface mines within scope of the study. Nationwide, average hourly earnings for these jobs ranged from \$3.43 for maintenance electricians to \$2.08 for slate pickers. Among the numerically most important jobs studied, power-shovel operators averaged \$3.13 an hour; truck-drivers (all types), \$2.92; bulldozer operators \$2.72; and oilers and greasers, \$2.54.

Average weekly earnings for the selected jobs ranged from \$153.50 for maintenance electricians to \$77.50 for slate pickers.

Occupational earnings were also tabulated for the United States by size of mine and labor-management contract status. Where comparisons could be made, occupational weekly and hourly earnings were higher in mines employing 100 or more than in smaller mines (table 31) and higher in mines with union contracts than in those not having such contracts (table 32). Among the occupations for which hourly earnings distributions are presented, earnings of workers performing similar tasks were generally more widely distributed in surface mines than in underground mines, as illustrated in the following tabulation:

	<u>Percent of production workers earning:</u>					
	Under \$1.50	\$1.50 and under \$2.00	\$2.00 - \$2.50	\$2.50 - \$3.00	\$3.00 - \$3.50	\$3.50 and over
Surface mines						
Bulldozer operators, overburden----	-	14.2	35.9	11.8	33.4	4.7
Oilers and greasers-----	6.6	32.8	13.6	3.7	25.7	17.6
Power-shovel operators, overburden	-	.2	15.7	21.4	9.5	53.0
Underground mines						
Continuous-mining-machine operators-----	-	-	4.2	.5	95.3	-
Motormen (inside)-----	1.7	5.0	6.1	7.3	80.0	( <sup>1</sup> )
Cutting-machine operators-----	4.2	8.0	8.4	3.8	74.6	1.0

<sup>1</sup> Less than 0.5 percent.

NOTE: Because of rounding, sums of individual items may not equal 100.

Reflecting differences in hours worked, weekly earnings of surface-mine workers in the occupations studied were more widely distributed than hourly earnings (tables 37 through 40).

## Establishment Practices and Supplementary Wage Provisions

Data were also obtained on work schedules, shift practices, and selected supplementary benefits including paid holidays and vacations, retirement plans, life insurance, sickness and accident insurance, hospitalization, surgical and medical benefits.

Scheduled Weekly Hours and Overtime Pay. Work schedules of 40 hours a week were in effect in surface mines employing three-tenths of the workers and a slightly smaller proportion of workers were in mines having work schedules of  $36\frac{1}{4}$  hours (table 41). Approximately a fifth of the workers were in mines having  $43\frac{1}{2}$ -hour schedules.

The work schedules in surface mines, accounting for seven-tenths of the workers in this branch of the industry, included a 30-minute paid lunch period. Nearly all of the remaining workers were in mines that did not provide paid lunch periods.

Half of the workers in this branch of the industry were in mines providing time and one-half the regular rate for all work performed in excess of  $7\frac{1}{4}$  hours a day or  $36\frac{1}{4}$  hours a week (table 42). A tenth of the workers were employed by mines paying time and one-half after 8 hours a day and more than two-fifths were in mines providing this premium rate for work after 40 hours a week. More than a fourth of the workers in Ohio and four-fifths in Pennsylvania were employed by mines that did not provide premium pay for daily overtime hours worked; three-eighths in Ohio were in mines having no formal policy for daily overtime premium pay.

Shift Differential Practices. More than a fifth of the surface-mine workers were employed on second shifts and a tenth worked on third or other late shifts in November 1962 (table 43). Approximately three-fifths of the second-shift workers received 4 cents per hour in addition to day-shift rates and three-fourths of those on third or other late shifts received a 6-cent-per-hour differential. Among the States for which data are shown, these provisions applied to nearly all shift workers in Illinois, and about half of those in Ohio; the remainder of the workers in Ohio and virtually all of those in Pennsylvania did not receive shift differential payments.

Paid Holidays. Paid holiday provisions were practically nonexistent in surface mines. Only about 3 percent of the workers were in mines having such provisions.

Paid Vacations. Formal provisions for paid vacations after qualifying periods of service were in effect in surface mines employing three-fourths of the production and related workers. Mines employing three-fifths of the workers provided payments of \$200 after 1 year or more of service. Pro rata payments were provided workers with less than 1 year of service. One-tenth of the workers were in mines providing 1 week of vacation pay after 1 year of service. Approximately one-fourth of the workers in this branch of the industry were employed by mines that did not provide paid vacations.

Health, Insurance, and Pension Plans. The UMWA welfare and pension fund benefits, as described in the section dealing with underground mines, also applied to surface mines, accounting for 56 percent of the workers in this branch of the industry. More than half of the workers in surface mines not having contracts with the UMWA were provided some form of health, insurance, or pension benefits. The most common types of insurance plans reported were life, accidental death and dismemberment insurance, sickness and accident insurance, and hospitalization, surgical, and medical insurance (table 44). Among the States for which separate data are presented, the non-UMWA mines visited in Illinois provided most of these benefits; in Ohio and Pennsylvania, approximately half of the workers accounted for by non-UMWA mines were eligible for hospitalization and surgical insurance and smaller proportions, for other benefits. More than one-third of the surface-mine workers in Ohio and two-fifths in Pennsylvania were in mines that did not provide any of the health, insurance, or pension benefits studied.

Table 26. Surface Mines: Average Earnings by Selected Characteristics

(Number, average weekly hours worked, and average straight-time earnings<sup>1</sup> of production workers by selected characteristics, United States, selected States and Coal Act Production District 1, November 1962)

Item	Number of workers	Average		
		Hourly earnings	Weekly hours <sup>2</sup>	Weekly earnings <sup>3</sup>
<b>United States<sup>4</sup></b>				
All mines	14,763	\$2.87	42.0	\$121.00
Mines employing:				
10-99 workers	10,443	2.64	42.0	110.50
100 or more workers	4,320	3.41	43.0	146.00
Labor-management contract status:				
Mines with—				
Majority covered	8,812	3.37	41.0	138.50
None or minority covered	5,951	2.12	45.0	95.50
<b>Selected States</b>				
All mines:				
Illinois	2,810	3.44	44.0	151.00
Ohio	2,501	2.63	41.0	107.50
Pennsylvania	2,820	2.08	44.5	92.50
<b>Coal Act Production District 1<sup>5</sup></b>				
All mines	2,112	1.97	45.0	89.00

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.

<sup>2</sup> Average weekly hours were rounded to the nearest half hour.

<sup>3</sup> Average weekly earnings were rounded to the nearest half dollar.

<sup>4</sup> Includes data for States in addition to those shown separately.

<sup>5</sup> See appendix A for definition of Coal Act Production District 1. Illinois and Ohio listed under the selected States comprise Coal Act Production Districts 10 and 4, respectively.

Table 27. Surface Mines: Hourly Earnings Distribution

(Percent distribution of production workers by average straight-time hourly earnings,<sup>1</sup> United States, selected States and Coal Act Production District 1, November 1962)

Average hourly earnings <sup>1</sup>	United States <sup>2</sup>	Selected States			Coal Act Production District 1
		Illinois	Ohio	Pennsylvania	
Under \$ 1.25	0.2	-	0.3	0.5	0.6
\$ 1.25 and under \$ 1.30	.9	-	1.9	1.8	2.0
\$ 1.30 and under \$ 1.35	.1	0.1	-	.4	.6
\$ 1.35 and under \$ 1.40	.6	-	.5	2.2	3.0
\$ 1.40 and under \$ 1.45	1.2	( <sup>3</sup> )	.3	5.9	7.8
\$ 1.45 and under \$ 1.50	.2	-	( <sup>3</sup> )	.4	.6
\$ 1.50 and under \$ 1.60	2.6	.8	1.0	10.0	12.7
\$ 1.60 and under \$ 1.70	3.5	.2	3.8	12.7	13.7
\$ 1.70 and under \$ 1.80	4.2	.5	9.5	9.6	8.4
\$ 1.80 and under \$ 1.90	1.9	.5	4.4	3.6	3.9
\$ 1.90 and under \$ 2.00	2.0	.1	2.0	4.8	5.5
\$ 2.00 and under \$ 2.10	3.3	.1	5.4	7.4	6.5
\$ 2.10 and under \$ 2.20	3.3	-	4.8	4.0	4.9
\$ 2.20 and under \$ 2.30	3.9	.1	5.3	7.3	7.1
\$ 2.30 and under \$ 2.40	1.9	.2	4.0	3.4	3.6
\$ 2.40 and under \$ 2.50	2.2	-	3.5	3.1	2.5
\$ 2.50 and under \$ 2.60	1.9	.1	2.0	3.7	3.6
\$ 2.60 and under \$ 2.70	2.9	-	8.3	3.9	2.3
\$ 2.70 and under \$ 2.80	3.3	1.9	2.0	1.7	1.7
\$ 2.80 and under \$ 2.90	1.0	.1	2.6	1.2	1.1
\$ 2.90 and under \$ 3.00	2.0	-	.5	1.1	.1
\$ 3.00 and under \$ 3.10	1.7	.3	1.5	.7	.3
\$ 3.10 and under \$ 3.20	4.9	1.9	6.9	2.6	2.7
\$ 3.20 and under \$ 3.30	7.4	.1	1.4	2.5	1.8
\$ 3.30 and under \$ 3.40	15.7	29.6	8.5	1.2	.3
\$ 3.40 and under \$ 3.50	9.0	14.0	9.7	.5	.7
\$ 3.50 and under \$ 3.60	7.7	26.5	1.2	.9	-
\$ 3.60 and under \$ 3.70	4.1	11.1	4.7	.5	.3
\$ 3.70 and under \$ 3.80	.6	1.5	-	-	-
\$ 3.80 and under \$ 3.90	2.2	8.4	-	1.2	1.6
\$ 3.90 and under \$ 4.00	2.2	1.4	-	-	-
\$ 4.00 and over	1.4	.6	4.0	1.2	-
Total	100.0	100.0	100.0	100.0	100.0
Number of workers	14,763	2,810	2,501	2,820	2,112
Average hourly earnings <sup>1</sup>	\$ 2.87	\$ 3.44	\$ 2.63	\$ 2.08	\$ 1.97

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.

<sup>2</sup> Includes data for States in addition to those shown separately.

<sup>3</sup> Less than 0.05 percent.

NOTE: Because of rounding, sums of individual items may not equal 100.

Table 28. Surface Mines: Weekly Earnings Distribution

(Percent distribution of production workers by average straight-time weekly earnings, <sup>1</sup> United States, selected States and Coal Act Production District 1, November 1962)

Average weekly earnings <sup>1</sup>	United States <sup>2</sup>	Selected States			Coal Act Production District 1
		Illinois	Ohio	Pennsylvania	
Under \$50.....	3.0	0.9	3.0	6.0	6.6
\$50 and under \$55.....	1.1	.1	1.4	1.5	2.0
\$55 and under \$60.....	.7	.1	.4	2.2	3.0
\$60 and under \$65.....	1.3	.6	1.1	4.0	5.1
\$65 and under \$70.....	1.9	.6	3.4	3.5	3.7
\$70 and under \$75.....	4.2	1.8	4.0	10.9	10.7
\$75 and under \$80.....	2.8	.6	2.2	6.7	8.0
\$80 and under \$85.....	3.9	.3	5.1	9.1	9.4
\$85 and under \$90.....	2.9	1.0	4.6	5.2	4.3
\$90 and under \$95.....	3.8	.9	6.6	6.9	9.1
\$95 and under \$100.....	3.9	1.4	8.2	5.1	5.5
\$100 and under \$105.....	3.7	1.1	6.9	5.7	5.3
\$105 and under \$110.....	4.2	2.0	6.2	4.1	2.9
\$110 and under \$115.....	5.1	1.6	7.6	4.4	4.2
\$115 and under \$120.....	5.5	1.1	5.0	7.1	6.2
\$120 and under \$125.....	6.5	5.1	7.4	5.2	3.9
\$125 and under \$130.....	7.1	5.3	7.5	3.0	1.8
\$130 and under \$135.....	4.9	5.3	4.6	1.7	1.2
\$135 and under \$140.....	3.5	4.3	1.7	2.2	2.7
\$140 and under \$145.....	3.1	3.9	3.8	2.6	2.4
\$145 and under \$150.....	4.8	9.9	1.8	.2	.3
\$150 and under \$155.....	3.2	7.5	.8	.4	.4
\$155 and under \$160.....	3.4	5.1	2.8	.6	.4
\$160 and under \$165.....	2.2	5.6	.6	-	-
\$165 and under \$170.....	2.7	6.9	.4	1.1	.8
\$170 and under \$175.....	2.0	5.8	1.6	.1	.1
\$175 and over.....	8.5	<sup>3</sup> 21.3	1.4	.2	.2
Total.....	100.0	100.0	100.0	100.0	100.0
Number of workers.....	14,763	2,810	2,501	2,820	2,112
Average weekly hours <sup>4</sup> .....	42.0	44.0	41.0	44.5	45.0
Average weekly earnings <sup>5</sup> .....	\$121.00	\$151.00	\$107.50	\$92.50	\$89.00

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.<sup>2</sup> Includes data for States in addition to those shown separately.<sup>3</sup> Workers were distributed as follows: 3.3 percent at \$175 to \$180; 2.1 percent at \$180 to \$185; 2.6 percent at \$185 to \$190; 3.0 percent at \$190 to \$195; 1.7 percent at \$195 to \$200; and 8.6 percent at \$200 and over.<sup>4</sup> Average weekly hours were rounded to the nearest half hour.<sup>5</sup> Average weekly earnings were rounded to the nearest half dollar.

NOTE: Because of rounding, sums of individual items may not equal 100.

Table 29. Surface Mines: Weekly Earnings Distribution by Hours Worked

(Percent distribution of production workers by average straight-time weekly earnings<sup>1</sup> and weekly hours worked, United States and selected States, November 1962)

Average weekly earnings <sup>1</sup>	United States <sup>2</sup>		Selected States					
			Illinois		Ohio		Pennsylvania	
	Employees working—							
	Under 35 hours	35 hours or more	Under 35 hours	35 hours or more	Under 35 hours	35 hours or more	Under 35 hours	35 hours or more
Under \$25.....	5.8	-	3.6	-	3.3	-	<sup>3</sup> 18.9	-
\$25 and under \$30.....	2.8	-	1.5	-	2.3	-	11.2	-
\$30 and under \$35.....	1.1	-	-	-	1.0	-	2.0	-
\$35 and under \$40.....	3.8	-	1.2	-	2.0	-	6.8	-
\$40 and under \$45.....	5.5	-	1.2	-	5.1	-	13.7	-
\$45 and under \$50.....	3.4	0.2	-	-	2.3	0.6	12.0	0.3
\$50 and under \$55.....	5.3	.5	.9	-	6.8	.4	5.6	1.1
\$55 and under \$60.....	2.4	.5	.6	-	.3	.4	2.4	2.2
\$60 and under \$65.....	1.2	1.3	.6	0.6	1.8	.9	1.6	4.2
\$65 and under \$70.....	3.4	1.6	5.3	-	3.3	3.5	5.2	3.3
\$70 and under \$75.....	8.0	3.7	9.5	.8	4.1	4.0	2.0	11.8
\$75 and under \$80.....	5.8	2.3	5.3	-	1.5	2.3	3.2	7.0
\$80 and under \$85.....	3.2	4.0	2.7	-	1.3	5.8	4.0	9.6
\$85 and under \$90.....	2.7	2.9	8.0	-	3.3	4.8	1.6	5.6
\$90 and under \$95.....	5.8	3.5	7.1	.1	7.1	6.6	8.4	6.8
\$95 and under \$100.....	12.3	2.7	10.7	.1	18.2	6.4	-	5.6
\$100 and under \$105.....	9.9	2.9	8.9	-	14.2	5.5	-	6.3
\$105 and under \$110.....	7.7	3.7	15.1	.2	6.3	6.2	-	4.5
\$110 and under \$115.....	4.7	5.2	7.7	.8	5.6	7.9	-	4.8
\$115 and under \$120.....	2.0	6.0	4.1	.6	4.1	5.1	-	7.8
\$120 and under \$125.....	1.2	7.2	5.3	5.0	.5	8.7	1.2	5.6
\$125 and under \$130.....	1.6	7.9	.6	5.9	5.6	7.9	-	3.3
\$130 and under \$135.....	.3	5.6	.3	6.0	-	5.5	-	1.8
\$135 and under \$140.....	-	4.0	-	4.9	-	2.0	-	2.5
\$140 and under \$145.....	.1	3.6	-	4.4	.3	4.5	-	2.9
\$145 and under \$150.....	-	5.5	-	11.2	-	2.1	-	.2
\$150 and under \$155.....	-	3.7	-	8.6	-	.9	-	.4
\$155 and under \$160.....	-	3.9	-	5.7	-	3.3	-	.7
\$160 and under \$165.....	-	2.5	-	6.4	-	.7	-	-
\$165 and under \$170.....	-	3.1	-	7.8	-	.5	-	1.2
\$170 and under \$175.....	-	2.3	-	6.6	-	1.9	-	.1
\$175 and under \$180.....	-	1.8	-	3.7	-	.1	-	.1
\$180 and under \$185.....	-	1.3	-	2.4	-	.1	-	-
\$185 and under \$190.....	-	1.8	-	3.0	-	.3	-	.1
\$190 and under \$195.....	-	1.0	-	3.4	-	.2	-	-
\$195 and under \$200.....	-	.8	-	1.9	-	-	-	.1
\$200 and over.....	-	3.0	-	9.8	-	.9	-	-
Total.....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Number of workers.....	1,841	12,922	338	2,472	395	2,106	249	2,571
Average weekly hours <sup>4</sup> .....	26.5	44.5	27.0	46.0	28.0	44.0	20.0	46.0
Average weekly earnings <sup>5</sup> .....	\$77.50	\$127.00	\$90.00	\$159.50	\$85.50	\$112.00	\$47.50	\$96.50

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.

<sup>2</sup> Includes data for States in addition to those shown separately.

<sup>3</sup> Workers were distributed as follows: 3.6 percent at under \$15; 12.9 percent at \$15 to \$20; and 2.4 percent at \$20 to \$25.

<sup>4</sup> Average weekly hours were rounded to the nearest half hour.

<sup>5</sup> Average weekly earnings were rounded to the nearest half dollar.

NOTE: Because of rounding, sums of individual items may not equal 100.

Table 30. Surface Mines: Occupational Averages—All Mines

(Number, average weekly hours worked, and average straight-time earnings<sup>1</sup> of production workers in selected occupations, United States, selected States and Coal Act Production District 1, November 1962)

Occupation	United States <sup>2</sup>				Selected States												Coal Act Production District 1							
	Number of workers	Average			Number of workers	Average			Number of workers	Average			Number of workers	Average			Number of workers	Average						
		Hourly earnings	Weekly hours	Weekly earnings <sup>4</sup>		Hourly earnings	Weekly hours <sup>3</sup>	Weekly earnings <sup>4</sup>		Hourly earnings	Weekly hours	Weekly earnings <sup>4</sup>		Hourly earnings	Weekly hours <sup>3</sup>	Weekly earnings <sup>4</sup>		Hourly earnings	Weekly hours	Weekly earnings <sup>4</sup>				
Auger-machine operators .....	145	\$2.84	37.0	\$105.00	-	-	-	-	15	\$2.41	38.0	\$91.00	-	-	-	-	-	-	-	-	-	-	-	-
Bulldozer operators .....	1,628	2.72	41.5	113.50	160	\$3.35	43.5	\$146.50	315	2.66	40.5	107.50	395	\$2.16	44.0	\$95.50	302	\$2.08	45.0	\$93.50	-	-	-	-
Overburden .....	407	2.64	43.0	113.00	44	3.28	41.0	134.50	131	2.47	43.5	108.00	97	2.19	44.5	98.00	88	2.20	44.5	98.00	-	-	-	-
Other than overburden .....	300	3.28	44.0	143.50	90	3.41	46.0	156.50	41	2.77	39.5	109.00	-	-	-	-	-	-	-	-	-	-	-	-
Combination of overburden and other .....	921	2.57	40.5	104.00	26	3.27	40.0	131.00	143	2.80	38.0	106.00	293	2.16	44.0	94.50	209	2.04	45.0	92.00	-	-	-	-
Drillers, machine .....	671	2.94	41.5	122.50	123	3.36	42.5	142.50	101	2.55	42.5	100.50	106	2.39	41.5	99.50	64	2.01	45.5	91.50	-	-	-	-
Coal .....	76	3.23	37.0	119.50	28	3.36	37.0	124.50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Overburden .....	471	2.98	42.5	127.00	95	3.36	44.0	148.00	65	2.28	41.0	94.00	46	2.14	43.0	92.50	37	2.13	44.0	93.50	-	-	-	-
Other (including combination of coal and overburden) .....	124	2.63	40.0	105.50	-	-	-	-	31	2.96	37.0	110.00	27	1.84	48.0	88.00	27	1.84	48.0	88.00	-	-	-	-
Electricians, maintenance .....	207	3.43	45.0	153.50	86	3.52	45.5	159.50	27	3.43	36.5	125.00	-	-	-	-	-	-	-	-	-	-	-	-
Groundmen .....	527	2.74	43.0	117.50	124	3.48	49.5	171.50	57	2.04	43.5	88.50	160	1.69	39.0	65.50	121	1.67	38.0	63.50	-	-	-	-
Machinists, maintenance .....	97	3.40	39.0	133.00	37	3.61	37.5	135.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mechanics, maintenance .....	581	3.17	42.5	134.50	140	3.50	44.0	154.50	143	3.03	39.5	119.00	64	2.72	40.0	109.00	43	2.40	43.0	103.00	-	-	-	-
Mechanics' helpers, maintenance .....	70	2.99	42.0	126.00	16	3.34	45.5	152.00	27	3.03	39.0	118.50	-	-	-	-	-	-	-	-	-	-	-	-
Oilers and greasers .....	1,662	2.54	45.0	114.50	207	3.55	47.5	168.50	369	2.32	44.0	101.50	529	1.75	46.5	81.50	382	1.64	47.5	77.50	-	-	-	-
Power-shovel operators .....	2,352	3.13	45.0	141.50	256	3.86	48.5	186.50	505	3.08	43.5	134.00	691	2.55	46.0	117.00	493	2.43	46.5	113.50	-	-	-	-
Coal .....	493	3.38	43.0	145.00	80	3.84	46.5	178.00	112	3.25	42.0	136.00	133	2.94	42.5	125.00	73	2.53	44.5	113.00	-	-	-	-
Overburden .....	1,168	3.30	46.0	152.50	172	3.87	49.5	191.00	280	3.01	44.0	133.00	278	2.62	47.0	123.50	176	2.65	46.5	123.50	-	-	-	-
Other (including combination of coal and overburden) .....	691	2.66	45.0	120.00	-	-	-	-	113	3.07	43.5	134.00	280	2.30	46.5	106.50	244	2.25	47.5	106.50	-	-	-	-
Pumpmen .....	128	3.24	45.0	146.50	66	3.37	46.0	155.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shot firers .....	134	3.16	39.5	125.50	28	3.47	43.5	151.50	21	3.45	33.5	116.00	-	-	-	-	-	-	-	-	-	-	-	-
Slate pickers .....	418	2.08	37.5	77.50	35	3.34	37.0	123.50	104	2.24	39.5	88.50	138	1.57	35.5	55.50	99	1.52	37.0	56.50	-	-	-	-
Tipple operators .....	562	2.55	41.0	104.00	99	3.31	36.5	120.50	80	1.93	43.0	83.00	122	1.88	42.5	80.00	110	1.89	43.0	81.00	-	-	-	-
Truckdrivers .....	1,786	2.92	39.5	115.50	341	3.51	42.0	147.00	339	2.66	38.0	101.50	180	1.75	45.5	79.50	168	1.74	45.5	79.50	-	-	-	-
Trailer type .....	962	3.20	39.0	124.50	250	3.53	42.0	147.50	165	3.06	36.5	112.00	54	1.52	52.5	79.50	54	1.52	52.5	79.50	-	-	-	-
Other than trailer type .....	766	2.54	40.0	102.00	81	3.44	42.5	146.00	172	2.27	40.5	91.50	126	1.85	43.0	79.50	114	1.84	43.0	79.50	-	-	-	-
Combination of types .....	58	3.39	42.5	144.50	10	3.46	41.5	143.00	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Welders, maintenance .....	782	3.18	42.5	135.50	247	3.53	42.5	150.50	101	2.72	39.5	107.50	71	2.15	43.5	93.50	59	2.04	43.5	89.00	-	-	-	-

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.<sup>2</sup> Includes data for States in addition to those shown separately.<sup>3</sup> Average weekly hours were rounded to the nearest half hour.<sup>4</sup> Average weekly earnings were rounded to the nearest half dollar.

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

Table 31. Surface Mines: Occupational Averages by Size of Mine

(Number, average weekly hours worked, and average straight-time earnings<sup>1</sup> of production workers in selected occupations, United States, November 1962)

Occupation	United States							
	Establishments with—							
	10-99 workers				100 or more workers			
	Number of workers	Average			Number of workers	Average		
Hourly earnings		Weekly hours <sup>2</sup>	Weekly earnings <sup>3</sup>	Hourly earnings		Weekly hours <sup>2</sup>	Weekly earnings <sup>3</sup>	
Auger-machine operators .....	145	\$2.84	37.0	\$105.00	-	-	-	-
Bulldozer operators.....	1,335	2.57	41.5	106.50	293	\$3.40	42.5	\$144.50
Overburden.....	339	2.49	43.0	107.50	68	3.38	41.5	141.00
Other than overburden.....	134	3.11	41.0	127.50	166	3.41	46.0	156.50
Combination of overburden and other.....	862	2.51	41.0	103.50	-	-	-	-
Drillers, machine.....	397	2.69	41.0	110.50	274	3.31	42.0	138.50
Coal.....	53	3.15	37.5	118.00	23	3.43	35.5	122.00
Overburden.....	232	2.66	42.0	111.50	239	3.29	43.0	142.00
Other (including combination of coal and overburden).....	112	2.55	41.5	105.50	-	-	-	-
Electricians, maintenance.....	86	3.39	43.5	148.00	121	3.46	45.5	158.00
Groundmen.....	387	2.29	47.0	107.50	140	3.43	48.0	164.00
Machinists, maintenance.....	53	3.29	38.5	127.00	44	3.53	40.0	140.50
Mechanics, maintenance.....	323	2.96	43.0	127.50	258	3.43	42.0	143.50
Mechanics' helpers, maintenance.....	30	2.55	44.0	112.00	40	3.33	41.0	136.50
Oilers and greasers.....	1,369	2.34	44.5	104.50	293	3.50	46.0	161.00
Power-shovel operators.....	1,964	2.97	45.0	133.00	388	3.95	47.0	185.00
Coal.....	351	3.15	42.0	132.00	142	3.97	45.0	178.00
Overburden.....	927	3.14	45.5	143.00	241	3.93	48.0	189.00
Other (including combination of coal and overburden).....	686	2.65	45.0	119.50	-	-	-	-
Pumpmen.....	59	3.11	42.5	132.50	69	3.34	47.5	158.50
Shot firers.....	77	2.97	37.0	110.50	57	3.42	42.5	145.50
Slate pickers.....	405	2.04	37.5	76.00	13	3.30	37.5	124.00
Tipple operators.....	445	2.35	41.5	97.50	117	3.32	38.5	128.50
Truckdrivers.....	1,131	2.65	38.5	101.50	655	3.38	41.0	139.00
Trailer type.....	480	2.98	37.0	110.00	482	3.41	41.0	139.00
Other than trailer type.....	621	2.36	39.5	93.50	145	3.29	42.0	138.00
Combination of types.....	-	-	-	-	28	3.38	44.0	148.00
Welders, maintenance.....	413	2.95	42.0	124.00	369	3.45	43.0	148.00

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.

<sup>2</sup> Average weekly hours were rounded to the nearest half hour.

<sup>3</sup> Average weekly earnings were rounded to the nearest half dollar.

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

Table 32. Surface Mines: Occupational Averages by Labor-Management Contract Coverage

(Number, average weekly hours worked, and average straight-time earnings<sup>1</sup> of production workers in selected occupations by labor-management contract coverage,<sup>2</sup> United States, November 1962)

Occupation	United States							
	Union mines				Nonunion mines			
	Number of workers	Average			Number of workers	Average		
Hourly earnings		Weekly hours <sup>3</sup>	Weekly earnings <sup>4</sup>	Hourly earnings		Weekly hours <sup>3</sup>	Weekly earnings <sup>4</sup>	
Auger-machine operators .....	68	\$3.47	35.0	\$122.00	77	\$ 2.30	39.0	\$90.00
Bulldozer operators.....	716	3.37	40.0	135.50	912	2.21	43.5	96.50
Overburden.....	154	3.34	40.0	134.00	253	2.22	45.5	100.50
Other than overburden.....	273	3.39	43.5	147.50	27	2.13	47.0	100.50
Combination of overburden and other .....	289	3.35	37.0	124.50	632	2.21	43.0	94.50
Drillers, machine .....	475	3.27	40.5	132.50	196	2.14	45.5	97.00
Coal.....	76	3.23	37.0	119.50	-	-	-	-
Overburden.....	366	3.27	41.5	136.50	105	1.97	47.5	93.50
Other (including combination of coal and overburden).....	33	3.43	34.5	118.50	91	2.34	43.0	101.00
Electricians, maintenance .....	202	3.45	44.5	154.00	-	-	-	-
Groundmen.....	277	3.39	46.5	157.50	250	1.96	43.0	84.00
Machinists, maintenance .....	87	3.48	39.0	136.00	-	-	-	-
Mechanics, maintenance .....	448	3.41	41.5	142.00	133	2.38	46.5	110.50
Mechanics' helpers, maintenance.....	53	3.31	40.5	134.00	17	1.99	51.5	102.00
Oilers and greasers.....	750	3.44	43.5	149.00	912	1.81	47.5	86.00
Power-shovel operators.....	1,012	3.88	43.5	169.00	1,340	2.57	47.0	120.50
Coal.....	314	3.90	41.5	162.00	179	2.47	47.0	115.50
Overburden.....	627	3.87	45.0	175.00	541	2.65	47.5	126.50
Other (including combination of coal and overburden).....	71	3.84	38.5	148.00	620	2.53	46.0	116.50
Pumpmen.....	119	3.34	45.0	151.00	-	-	-	-
Shot firers .....	99	3.47	39.5	137.00	35	2.29	40.5	92.50
Slate pickers .....	90	3.26	35.5	116.00	328	1.76	38.0	67.00
Tipple operators .....	278	3.28	38.5	127.00	284	1.84	44.0	81.00
Truckdrivers .....	1,259	3.34	38.5	129.00	527	1.92	43.5	83.50
Trailer type .....	848	3.39	38.5	130.00	114	1.76	48.5	85.50
Other than trailer type .....	355	3.22	38.5	123.50	411	1.96	42.5	83.00
Combination of types.....	56	3.41	42.5	145.50	-	-	-	-
Welders, maintenance.....	602	3.44	42.0	144.50	180	2.31	46.0	106.00

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.<sup>2</sup> For purposes of this survey, union mines include those in which a majority of the production workers were covered by the terms of labor-management contracts; nonunion mines include those in which none or a minority of such workers were covered by labor-management contracts.<sup>3</sup> Average weekly hours were rounded to the nearest half hour.<sup>4</sup> Average weekly earnings were rounded to the nearest half dollar.

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

**Table 33. Surface Mines: Hourly Earnings Distribution—  
Bulldozer Operators, Overburden**

(Percent distribution of production workers by average straight-time hourly earnings,<sup>1</sup> United States, selected States and Coal Act Production District 1, November 1962)<sup>1</sup>

Average hourly earnings <sup>1</sup>	United States <sup>2</sup>	Selected States			Coal Act Production District 1
		Illinois	Ohio	Pennsylvania	
\$ 1.50 and under \$ 1.60	1.0	-	3.1	-	-
\$ 1.60 and under \$ 1.70	1.5	-	-	6.2	6.8
\$ 1.70 and under \$ 1.80	4.4	-	3.1	14.4	12.5
\$ 1.80 and under \$ 1.90	2.9	-	-	12.4	13.6
\$ 1.90 and under \$ 2.00	4.4	-	-	18.6	20.5
\$ 2.00 and under \$ 2.10	10.1	-	15.3	17.5	19.3
\$ 2.10 and under \$ 2.20	3.7	-	9.2	3.1	3.4
\$ 2.20 and under \$ 2.30	11.1	-	13.0	-	-
\$ 2.30 and under \$ 2.40	4.9	-	13.0	3.1	-
\$ 2.40 and under \$ 2.50	6.1	-	3.1	3.1	-
\$ 2.50 and under \$ 2.60	-	-	-	-	-
\$ 2.60 and under \$ 2.70	6.6	-	18.3	-	-
\$ 2.70 and under \$ 2.80	2.0	18.2	-	-	-
\$ 2.80 and under \$ 2.90	2.2	-	2.3	-	-
\$ 2.90 and under \$ 3.00	1.0	-	3.1	-	-
\$ 3.00 and under \$ 3.10	2.2	-	-	-	-
\$ 3.10 and under \$ 3.20	-	-	-	-	-
\$ 3.20 and under \$ 3.30	7.6	-	-	21.6	23.9
\$ 3.30 and under \$ 3.40	20.4	70.5	16.8	-	-
\$ 3.40 and under \$ 3.50	3.2	-	-	-	-
\$ 3.50 and over	4.7	<sup>3</sup> 11.4	-	-	-
Total	100.0	100.0	100.0	100.0	100.0
Number of workers	407	44	131	97	88
Average hourly earnings <sup>1</sup>	\$ 2.64	\$ 3.28	\$ 2.47	\$ 2.19	\$ 2.20

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts

<sup>2</sup> Includes data for States in addition to those shown separately.

<sup>3</sup> All workers were at \$ 3.60 to \$ 3.70.

NOTE: Because of rounding, sums of individual items may not equal 100.

**Table 34. Surface Mines: Hourly Earnings Distribution—  
Oilers and Greasers**

(Percent distribution of production workers by average straight-time hourly earnings,<sup>1</sup> United States, selected States and Coal Act Production District 1, November 1962)

Average hourly earnings <sup>1</sup>	United States <sup>2</sup>	Selected States			Coal Act Production District 1
		Illinois	Ohio	Pennsylvania	
Under \$ 1.40	2.5	-	-	7.8	10.7
\$ 1.40 and under \$ 1.50	4.1	-	1.1	11.3	15.7
\$ 1.50 and under \$ 1.60	6.5	-	-	20.4	26.7
\$ 1.60 and under \$ 1.70	10.0	-	8.7	25.3	24.1
\$ 1.70 and under \$ 1.80	10.3	-	19.5	16.1	12.0
\$ 1.80 and under \$ 1.90	3.8	-	3.5	6.4	4.2
\$ 1.90 and under \$ 2.00	2.2	-	9.2	.4	.5
\$ 2.00 and under \$ 2.10	3.0	-	8.7	3.4	-
\$ 2.10 and under \$ 2.20	5.4	-	11.7	-	-
\$ 2.20 and under \$ 2.30	.7	-	1.1	-	-
\$ 2.30 and under \$ 2.40	1.7	-	7.6	-	-
\$ 2.40 and under \$ 2.50	2.8	-	-	-	-
\$ 2.50 and under \$ 2.60	-	-	-	-	-
\$ 2.60 and under \$ 2.70	-	-	-	-	-
\$ 2.70 and under \$ 2.80	2.6	5.8	7.6	.6	.8
\$ 2.80 and under \$ 2.90	-	-	-	-	-
\$ 2.90 and under \$ 3.00	1.1	-	-	-	-
\$ 3.00 and under \$ 3.10	.3	-	1.4	-	-
\$ 3.10 and under \$ 3.20	1.3	-	.5	3.8	5.2
\$ 3.20 and under \$ 3.30	1.3	-	-	-	-
\$ 3.30 and under \$ 3.40	14.6	6.8	-	-	-
\$ 3.40 and under \$ 3.50	8.2	2.9	-	-	-
\$ 3.50 and under \$ 3.60	2.8	-	-	4.5	-
\$ 3.60 and under \$ 3.70	13.5	73.9	19.5	-	-
\$ 3.70 and under \$ 3.80	1.3	10.6	-	-	-
Total	100.0	100.0	100.0	100.0	100.0
Number of workers	1,662	207	369	529	382
Average hourly earnings <sup>1</sup>	\$ 2.54	\$ 3.55	\$ 2.32	\$ 1.75	\$ 1.64

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.

<sup>2</sup> Includes data for States in addition those shown separately.

NOTE: Because of rounding, sums of individual items may not equal 100.

**Table 35. Surface Mines: Hourly Earnings Distribution—  
Power-Shovel Operators, Overburden**

(Percent distribution of production workers by average straight-time hourly earnings, <sup>1</sup> United States, selected States and Coal Act Production District 1, November 1962)

Average hourly earnings <sup>1</sup>	United States <sup>2</sup>	Selected States			Coal Act Production District 1
		Illinois	Ohio	Pennsylvania	
Under \$2.10	0.7	-	-	2.9	4.5
\$2.10 and under \$2.20	1.3	-	-	5.4	8.5
\$2.20 and under \$2.30	5.9	-	8.6	16.2	10.2
\$2.30 and under \$2.40	1.9	-	4.3	3.6	5.7
\$2.40 and under \$2.50	6.1	-	12.1	10.4	9.7
\$2.50 and under \$2.60	5.1	-	8.6	12.9	20.5
\$2.60 and under \$2.70	11.6	-	20.4	28.1	18.7
\$2.70 and under \$2.80	1.7	-	.7	4.3	6.8
\$2.80 and under \$2.90	1.5	-	-	-	-
\$2.90 and under \$3.00	1.5	-	-	6.5	-
\$3.00 and under \$3.10	2.5	-	2.9	-	-
\$3.10 and under \$3.20	2.7	-	11.4	-	-
\$3.20 and under \$3.30	1.0	-	4.3	-	-
\$3.30 and under \$3.40	.3	-	-	-	-
\$3.40 and under \$3.50	3.0	-	-	-	-
\$3.50 and under \$3.60	1.7	7.0	2.9	-	-
\$3.60 and under \$3.70	8.6	-	8.6	1.1	1.7
\$3.70 and under \$3.80	-	-	-	-	-
\$3.80 and under \$3.90	15.2	71.5	-	8.6	13.6
\$3.90 and under \$4.00	20.6	14.5	-	-	-
\$4.00 and over	6.9	7.0	<sup>3</sup> 15.4	-	-
Total	100.0	100.0	100.0	100.0	100.0
Number of workers	1,168	172	280	278	176
Average hourly earnings <sup>1</sup>	\$3.30	\$3.87	\$3.01	\$2.62	\$2.65

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.

<sup>2</sup> Includes data for States in addition to those shown separately.

<sup>3</sup> All workers were at \$4.30 to \$4.40.

NOTE: Because of rounding, sums of individual items may not equal 100.

**Table 36. Surface Mines: Hourly Earnings Distribution—  
Slate Pickers**

(Percent distribution of production workers by average straight-time hourly earnings, <sup>1</sup> United States, selected States and Coal Act Production District 1, November 1962)

Average hourly earnings <sup>1</sup>	United States <sup>2</sup>	Selected States		Coal Act Production District 1
		Ohio	Pennsylvania	
\$1.20 and under \$1.30	1.0	-	2.9	4.0
\$1.30 and under \$1.40	2.9	11.5	-	-
\$1.40 and under \$1.50	7.2	-	21.7	30.3
\$1.50 and under \$1.60	8.4	-	25.4	35.4
\$1.60 and under \$1.70	18.2	11.5	23.2	14.1
\$1.70 and under \$1.80	12.7	15.4	26.8	16.2
\$1.80 and under \$1.90	4.8	19.2	-	-
\$1.90 and under \$2.00	-	-	-	-
\$2.00 and under \$2.10	5.7	-	-	-
\$2.10 and under \$2.20	15.3	-	-	-
\$2.20 and under \$2.30	-	-	-	-
\$2.30 and under \$2.40	-	-	-	-
\$2.40 and under \$2.50	1.9	7.7	-	-
\$2.50 and under \$2.60	-	-	-	-
\$2.60 and under \$2.70	.5	1.9	-	-
\$2.70 and under \$2.80	-	-	-	-
\$2.80 and under \$2.90	-	-	-	-
\$2.90 and under \$3.00	.2	-	-	-
\$3.00 and under \$3.10	-	-	-	-
\$3.10 and under \$3.20	8.1	32.7	-	-
\$3.20 and under \$3.30	1.0	-	-	-
\$3.30 and under \$3.40	12.2	-	-	-
Total	100.0	100.0	100.0	100.0
Number of workers	418	104	138	99
Average hourly earnings <sup>1</sup>	\$2.08	\$2.24	\$1.57	\$1.52

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.

<sup>2</sup> Includes data for States in addition to those shown separately.

NOTE: Because of rounding, sums of individual items may not equal 100.

**Table 37. Surface Mines: Weekly Earnings Distribution—  
Bulldozer Operators, Overburden**

(Percent distribution of production workers by average straight-time weekly earnings,<sup>1</sup> United States, selected States and Coal Act Production District 1, November 1962)

Average weekly earnings <sup>1</sup>	United States <sup>2</sup>	Selected States			Coal Act Production District 1
		Illinois	Ohio	Pennsylvania	
Under \$75.....	4.2	-	6.9	6.2	3.4
\$75 and under \$80.....	3.4	-	-	14.4	15.9
\$80 and under \$85.....	7.6	-	9.2	15.5	17.0
\$85 and under \$90.....	4.9	2.3	12.2	3.1	3.4
\$90 and under \$95.....	5.7	-	6.1	3.1	3.4
\$95 and under \$100.....	4.4	-	6.1	4.1	4.5
\$100 and under \$105.....	7.1	-	12.2	10.3	11.4
\$105 and under \$110.....	1.5	-	4.6	-	-
\$110 and under \$115.....	8.4	-	11.5	13.4	14.8
\$115 and under \$120.....	12.5	9.1	9.2	23.7	26.1
\$120 and under \$125.....	10.6	27.3	3.1	-	-
\$125 and under \$130.....	3.7	4.5	-	-	-
\$130 and under \$135.....	8.4	15.9	1.5	3.1	-
\$135 and under \$140.....	4.9	6.8	3.8	-	-
\$140 and under \$145.....	1.5	-	.8	3.1	-
\$145 and under \$150.....	4.9	13.6	3.1	-	-
\$150 and under \$155.....	1.0	9.1	-	-	-
\$155 and under \$160.....	.5	-	-	-	-
\$160 and under \$165.....	3.2	6.8	7.6	-	-
\$165 and under \$170.....	1.0	4.5	-	-	-
\$170 and under \$175.....	-	-	-	-	-
\$175 and over.....	.7	-	2.3	-	-
<b>Total.....</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Number of workers.....	407	44	131	97	88
Average weekly hours <sup>3</sup> .....	43.0	41.0	43.5	44.5	44.5
Average weekly earnings <sup>4</sup> .....	\$113.00	\$134.50	\$108.00	\$98.00	\$98.00

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.

<sup>2</sup> Includes data for States in addition to those shown separately.

<sup>3</sup> Average weekly hours were rounded to the nearest half hour.

<sup>4</sup> Average weekly earnings were rounded to the nearest half dollar.

NOTE: Because of rounding, sums of individual items may not equal 100.

**Table 38. Surface Mines: Weekly Earnings Distribution—  
Oilers and Greasers**

(Percent distribution of production workers by average straight-time weekly earnings,<sup>1</sup> United States, selected States and Coal Act Production District 1, November 1962)

Average weekly earnings <sup>1</sup>	United States <sup>2</sup>	Selected States			Coal Act Production District 1
		Illinois	Ohio	Pennsylvania	
Under \$50.....	1.5	1.0	1.1	2.1	2.1
\$50 and under \$55.....	1.1	-	.3	2.3	3.1
\$55 and under \$60.....	1.5	-	-	4.7	6.5
\$60 and under \$65.....	1.3	-	-	4.2	5.0
\$65 and under \$70.....	2.5	-	3.3	5.5	7.6
\$70 and under \$75.....	9.9	-	6.5	23.8	22.8
\$75 and under \$80.....	5.2	-	3.8	13.0	17.3
\$80 and under \$85.....	7.2	-	10.8	12.1	12.0
\$85 and under \$90.....	5.4	.5	10.0	8.3	4.5
\$90 and under \$95.....	4.6	-	10.0	7.6	10.5
\$95 and under \$100.....	3.3	-	8.7	3.2	1.3
\$100 and under \$105.....	4.8	.5	10.6	3.8	.5
\$105 and under \$110.....	3.2	2.9	7.3	1.1	1.6
\$110 and under \$115.....	1.3	1.0	3.3	1.5	2.1
\$115 and under \$120.....	3.5	1.4	3.0	.4	.5
\$120 and under \$125.....	4.1	1.0	2.2	-	-
\$125 and under \$130.....	3.1	-	-	1.1	-
\$130 and under \$135.....	9.1	14.5	14.1	2.1	.5
\$135 and under \$140.....	5.7	-	-	1.5	2.1
\$140 and under \$145.....	1.5	5.3	.3	1.7	-
\$145 and under \$150.....	1.1	3.4	-	-	-
\$150 and under \$155.....	1.1	1.4	-	-	-
\$155 and under \$160.....	2.0	6.8	-	-	-
\$160 and under \$165.....	.7	2.9	-	-	-
\$165 and under \$170.....	2.2	.5	-	-	-
\$170 and under \$175.....	2.9	9.2	4.1	-	-
\$175 and under \$180.....	1.4	6.8	-	-	-
\$180 and under \$185.....	1.6	.5	-	-	-
\$185 and under \$190.....	1.1	5.8	-	-	-
\$190 and under \$195.....	1.3	1.9	-	-	-
\$195 and under \$200.....	.5	2.9	-	-	-
\$200 and over.....	4.3	<sup>3</sup> 30.0	.8	-	-
<b>Total.....</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>
Number of workers.....	1,662	207	369	529	382
Average weekly hours <sup>4</sup> .....	45.0	47.5	44.0	46.5	47.5
Average weekly earnings <sup>5</sup> .....	\$114.50	\$168.50	\$101.50	\$81.50	\$77.50

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.

<sup>2</sup> Includes data for States in addition to those shown separately.

<sup>3</sup> Workers were distributed as follows: 24.2 percent at \$200 to \$205; 3.9 percent at \$205 to \$210; and 1.9 percent at \$215 to \$220.

<sup>4</sup> Average weekly hours were rounded to the nearest half hour.

<sup>5</sup> Average weekly earnings were rounded to the nearest half dollar.

NOTE: Because of rounding, sums of individual items may not equal 100.

Table 39. Surface Mines: Weekly Earnings Distribution—  
Power-Shovel Operators, Overburden

(Percent distribution of production workers by average straight-time weekly earnings, <sup>1</sup> United States, selected States and Coal Act Production District 1, November 1962)

Average weekly earnings <sup>1</sup>	United States <sup>2</sup>	Selected States			Coal Act Production District 1
		Illinois	Ohio	Pennsylvania	
Under \$75	0.5	1.2	0.4	1.1	1.7
\$75 and under \$80	-	-	-	-	-
\$80 and under \$85	.4	-	1.4	.4	.6
\$85 and under \$90	.3	-	-	1.4	2.3
\$90 and under \$95	2.6	-	8.9	1.8	2.8
\$95 and under \$100	.3	-	-	1.4	2.3
\$100 and under \$105	3.6	1.2	5.7	7.6	11.9
\$105 and under \$110	1.1	-	-	4.7	2.3
\$110 and under \$115	3.0	-	3.2	7.2	6.2
\$115 and under \$120	5.4	-	.4	22.3	19.9
\$120 and under \$125	5.3	3.5	8.9	11.2	7.4
\$125 and under \$130	7.4	-	17.9	11.2	2.3
\$130 and under \$135	4.9	-	11.4	1.8	2.8
\$135 and under \$140	9.2	12.8	2.9	7.6	11.9
\$140 and under \$145	11.4	-	15.7	13.3	14.2
\$145 and under \$150	2.6	-	5.7	1.4	2.3
\$150 and under \$155	2.3	3.5	3.6	1.1	1.7
\$155 and under \$160	7.3	-	8.2	-	-
\$160 and under \$165	1.1	7.6	-	-	-
\$165 and under \$170	6.8	18.6	-	4.7	7.4
\$170 and under \$175	.1	-	.4	-	-
\$175 and under \$180	.1	-	.4	-	-
\$180 and under \$185	.6	1.7	-	-	-
\$185 and under \$190	8.1	-	-	-	-
\$190 and under \$195	.8	3.5	-	-	-
\$195 and under \$200	1.2	8.1	-	-	-
\$200 and under \$205	2.7	.6	-	-	-
\$205 and under \$210	1.0	-	4.3	-	-
\$210 and under \$215	-	-	-	-	-
\$215 and under \$220	5.1	22.1	-	-	-
\$220 and under \$225	2.1	2.3	-	-	-
Over \$225	2.7	<sup>3</sup> 13.4	.7	-	-
Total	100.0	100.0	100.0	100.0	100.0
Number of workers	1,168	172	280	278	176
Average weekly hours <sup>4</sup>	46.0	49.5	44.0	47.0	46.5
Average weekly earnings <sup>5</sup>	\$152.50	\$191.00	\$133.00	\$123.50	\$123.50

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.

<sup>2</sup> Includes data for States in addition to those shown separately.

<sup>3</sup> Workers were distributed as follows: 4.1 percent at \$230 to \$235; and 9.3 percent at \$250 and over.

<sup>4</sup> Average weekly hours were rounded to the nearest half hour.

<sup>5</sup> Average weekly earnings were rounded to the nearest half dollar.

NOTE: Because of rounding, sums of individual items may not equal 100.

Table 40. Surface Mines: Weekly Earnings Distribution—  
Slate Pickers

(Percent distribution of production workers by average straight-time weekly earnings, <sup>1</sup> United States, selected States and Coal Act Production District 1, November 1962)

Average weekly earnings <sup>1</sup>	United States <sup>2</sup>	Selected States			Coal Act Production District 1
		Illinois	Ohio	Pennsylvania	
Under \$25	6.7	-	-	<sup>3</sup> 20.3	<sup>3</sup> 16.2
\$25 and under \$30	-	-	-	-	-
\$30 and under \$35	1.9	-	-	-	-
\$35 and under \$40	-	-	-	-	-
\$40 and under \$45	6.2	-	3.8	15.9	22.2
\$45 and under \$50	1.2	-	3.8	-	-
\$50 and under \$55	8.6	-	7.7	2.9	4.0
\$55 and under \$60	1.9	-	-	5.8	8.1
\$60 and under \$65	2.9	-	-	8.7	12.1
\$65 and under \$70	9.1	-	1.9	8.7	3.0
\$70 and under \$75	6.2	-	7.7	13.0	3.0
\$75 and under \$80	3.6	-	-	10.9	12.1
\$80 and under \$85	7.4	-	19.2	8.0	11.1
\$85 and under \$90	6.7	-	7.7	2.9	4.0
\$90 and under \$95	12.2	-	8.7	1.4	2.0
\$95 and under \$100	7.7	-	15.4	-	-
\$100 and under \$105	.5	-	-	1.4	2.0
\$105 and under \$110	-	-	-	-	-
\$110 and under \$115	5.7	-	19.2	-	-
\$115 and under \$120	1.2	-	1.0	-	-
\$120 and under \$125	7.9	94.3	-	-	-
\$125 and over	2.4	5.7	3.8	-	-
Total	100.0	100.0	100.0	100.0	100.0
Number of workers	418	35	104	138	99
Average weekly hours <sup>4</sup>	37.5	37.0	39.5	35.5	37.0
Average weekly earnings <sup>5</sup>	\$77.50	\$123.50	\$88.50	\$55.50	\$56.50

<sup>1</sup> Excludes premium pay for overtime and for work on weekends, holidays, and late shifts.

<sup>2</sup> Includes data for States in addition to those shown separately.

<sup>3</sup> All workers were at \$15 to \$20.

<sup>4</sup> Average weekly hours were rounded to the nearest half hour.

<sup>5</sup> Average weekly earnings were rounded to the nearest half dollar.

NOTE: Because of rounding, sums of individual items may not equal 100.

**Table 41. Surface Mines: Scheduled Weekly Hours**

(Percent of production workers by scheduled weekly hours of day-shift workers, United States, selected States and Coal Act Production District 1, November 1962)

Weekly hours	United States <sup>1</sup>	Selected States			Coal Act Production District 1
		Illinois	Ohio	Pennsylvania	
All workers.....	100	100	100	100	100
Under 36 <sup>1</sup> / <sub>4</sub> hours.....	2	5	7	( <sup>2</sup> )	( <sup>2</sup> )
36 <sup>1</sup> / <sub>4</sub> hours.....	28	42	26	9	4
Over 36 <sup>1</sup> / <sub>4</sub> and under 40 hours.....	1	-	4	-	-
40 hours.....	30	4	33	41	36
Over 40 and under 43 <sup>1</sup> / <sub>2</sub> hours.....	1	5	-	-	-
43 <sup>1</sup> / <sub>2</sub> hours.....	22	42	-	-	-
45 hours.....	2	-	-	11	12
47 <sup>1</sup> / <sub>2</sub> or 48 hours.....	6	3	23	10	13
50 and under 55 hours.....	5	-	2	14	14
55 and under 60 hours.....	2	-	-	9	12
60 hours.....	2	-	6	7	9

<sup>1</sup> Includes data for States in addition to those shown separately.

<sup>2</sup> Less than 0.5 percent.

NOTE: Because of rounding, sums of individual items may not equal 100.

**Table 42. Surface Mines: Overtime Premium Pay**

(Percent of production workers in mines with provisions for daily or weekly overtime by rate of pay and hours after which effective, United States, selected States and Coal Act Production District 1, November 1962)

Item	United States <sup>1</sup>	Selected States			Coal Act Production District 1
		Illinois	Ohio	Pennsylvania	
Daily overtime					
Time and one-half effective after:					
7 hours.....	2	9	-	-	-
7 <sup>1</sup> / <sub>4</sub> hours.....	54	89	32	10	6
8 hours.....	10	3	5	5	3
No premium pay.....	26	-	26	85	90
No formal policy.....	9	-	37	-	-
Weekly overtime					
Time and one-half effective after:					
35 hours.....	2	9	-	-	-
36 <sup>1</sup> / <sub>4</sub> hours.....	54	89	32	10	6
40 hours.....	45	3	68	90	94

<sup>1</sup> Includes data for States in addition to those shown separately.

NOTE: Because of rounding, sums of individual items may not equal 100.

Table 43. Surface Mines: Shift Differential Practices

(Percent of production workers employed on late shifts by amount of pay differential, United States, selected States and Coal Act Production District 1, November 1962)

Shift differential	United States <sup>1</sup>	Selected States			Coal Act Production District 1
		Illinois	Ohio	Pennsylvania	
<b>Second shift</b>					
Workers employed on second shifts .....	21.9	22.7	19.4	19.3	19.9
Receiving shift differential .....	13.8	22.0	8.9	.8	.2
Uniform cents per hour .....	13.8	22.0	8.9	.8	.2
2 cents .....	.1	-	-	-	-
4 cents .....	13.7	22.0	8.9	.8	.2
Receiving no shift differential ..	8.1	.7	10.4	18.5	19.7
<b>Third or other late shift</b>					
Workers employed on third or other late shifts .....	9.9	11.5	10.9	4.2	4.7
Receiving shift differential .....	7.8	11.2	6.1	.8	.2
Uniform cents per hour .....	7.8	11.2	6.1	.8	.2
2 cents .....	.1	-	-	-	-
6 cents .....	7.6	11.2	5.8	.8	.2
15 cents .....	.1	-	.3	-	-
Receiving no shift differential ..	2.1	.3	4.8	3.4	4.5

<sup>1</sup> Includes data for States in addition to those shown separately.

NOTE: Because of rounding, sums of individual items may not equal totals.

Table 44. Surface Mines: Health, Insurance, and Pension Plans

(Percent of production workers in mines having contracts with United Mine Workers of America (UMWA) and in other mines with specified health, insurance, and pension plans, United States, selected States and Coal Act Production District 1, November 1962)

Type of plan <sup>1</sup>	United States <sup>2</sup>	Selected States			Coal Act Production District 1
		Illinois	Ohio	Pennsylvania	
All workers .....	100	100	100	100	100
Workers in mines having contracts with UMWA <sup>3</sup> .....	56	84	32	13	10
Workers in other mines providing:					
Life insurance .....	16	16	27	28	30
Accidental death and dismemberment insurance .....	13	16	19	16	18
Sickness and accident insurance <sup>4</sup> .....	8	13	10	19	23
Hospitalization insurance .....	21	16	33	42	46
Surgical insurance .....	21	16	33	38	40
Medical insurance .....	11	16	8	17	19
Catastrophe insurance .....	3	3	7	7	3
Retirement pension .....	4	16	5	-	-
No plans .....	19	-	35	41	39

<sup>1</sup> Includes only those plans for which at least part of the cost is borne by the employer. Legally required plans, such as workmen's compensation and social security, were excluded; however, those plans required by Temporary Disability Insurance Laws were included if financed at least in part by the employer.

<sup>2</sup> Includes data for States in addition to those shown separately.

<sup>3</sup> The UMWA Welfare and Retirement Fund provided hospital and medical care benefits, benefits to widows and orphans, and pension benefits. The estimates in this table relate to the proportion of workers in mines having contracts with the UMWA; the proportion of workers actually eligible for these benefits are believed to be somewhat smaller as explained in the text.

<sup>4</sup> None of the mines visited had sick leave plans.

# Appendix A: Scope and Method of Survey

## Scope of Survey

The survey included establishments primarily engaged in producing bituminous coal or in developing bituminous coal mines, but excluded establishments limited to coal cleaning and/or preparation (part of industry 1211 as defined in the 1957 edition of the Standard Industrial Classification Manual). Included were underground, strip, and auger mining, and coal cleaning, crushing, screening, and sizing plants operated in conjunction with the mines served. Separate auxiliary units such as central offices were excluded.

The mines studied were selected from those employing 10 or more workers at the time of reference of the data used in compiling the universe list. This list was obtained from the U.S. Bureau of Mines.

The number of establishments and workers actually studied by the Bureau, as well as the number estimated to be in the industry during the payroll period studied, are shown in the table on the following page.

## Method of Study

Data were obtained by personal visits of Bureau field economists under the direction of the Bureau's Assistant Regional Directors for Wages and Industrial Relations. The survey was conducted on a sample basis. To obtain appropriate accuracy at minimum cost, a greater proportion of large than of small establishments was studied. In combining the data, however, all establishments were given their appropriate weight. All estimates are presented, therefore, as relating to all establishments in the industry group, excluding only those below the minimum size at the time of reference of the universe data.

## Establishment Definition

An establishment for purposes of this study is defined as a single mine with or without a coal preparation plant. Individual shafts, openings, or sites are not considered as separate mining establishments if they are in the same locality and operated by common management or joint handling. An establishment, however, is not necessarily identical with the company, which may consist of one or more establishments (mines).

## Coal Act Production Districts

The Bituminous Coal Act of 1937 defines 23 production districts. Data are shown separately for several of these districts which are defined as follows:

### DISTRICT 1.—EASTERN PENNSYLVANIA

#### Pennsylvania

Armstrong County (part).—All mines east of Allegheny River, and those mines served by the Pittsburgh & Shawmut Railroad located on the west bank of the river.

Fayette County (part).—All mines located on and east of the line of Indian Creek Valley branch of the Baltimore & Ohio Railroad.

Indiana County (part).—All mines not served by the Saltsburg branch of the Pennsylvania Railroad.

Westmoreland County (part).—All mines served by the Pennsylvania Railroad from Torrance, east.

All mines in the following counties:

Bedford	Centre	Forest	McKean
Blair	Clarion	Fulton	Mifflin
Bradford	Clearfield	Huntingdon	Potter
Cambria	Clinton	Jefferson	Somerset
Cameron	Elk	Lycoming	Tioga

Maryland.—All mines in the State.

West Virginia.—All mines in the following counties:

Grant	Mineral	Tucker
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Estimated number of establishments and workers within scope of the bituminous coal mining survey  
and number studied, November 1962

Type of mine, State, and Coal Act Production District <sup>1</sup>	Number of establishments <sup>2</sup>		Workers in establishments		
	Within scope of study	Studied	Within scope of study		Studied
			Total <sup>3</sup>	Production workers	Total
<u>All mines</u>					
United States <sup>4</sup> -----	1,732	464	109,307	96,949	49,981
Selected States:					
Alabama-----	89	27	5,765	5,249	3,403
Illinois-----	77	46	8,644	7,634	6,344
Kentucky-----	203	48	13,914	12,408	6,029
East <sup>5</sup> -----	147	26	9,188	8,093	2,967
West-----	56	22	4,726	4,315	3,062
Ohio-----	126	50	5,606	4,929	3,406
Pennsylvania-----	305	112	18,406	16,483	10,225
Virginia-----	178	28	7,990	6,639	2,809
West Virginia-----	565	125	38,005	33,695	14,988
Selected Coal Act Production Districts: <sup>6</sup>					
District 1—Eastern Pennsylvania-----	192	72	6,889	6,218	3,281
District 2—Western Pennsylvania-----	113	40	11,517	10,340	6,944
District 3—Northern West Virginia-----	219	46	10,070	8,882	4,286
District 7—Southern No. 1-----	153	36	11,272	9,932	4,979
District 8—Southern No. 2-----	533	98	33,632	29,407	11,384
District 13—Southeastern-----	100	30	6,083	5,531	3,488
<u>Underground mines</u>					
United States <sup>4</sup> -----	1,280	335	92,726	82,186	43,503
Selected States:					
Alabama-----	68	24	5,097	4,691	3,311
Illinois-----	37	26	5,351	4,824	4,190
Kentucky-----	156	37	11,862	10,510	5,470
East <sup>5</sup> -----	121	20	8,819	7,740	2,865
West-----	35	17	3,043	2,770	2,605
Ohio-----	31	20	2,763	2,428	2,082
Pennsylvania-----	162	71	15,334	13,663	9,173
Virginia-----	171	27	7,752	6,436	2,775
West Virginia-----	512	113	36,674	32,511	14,674
Selected Coal Act Production Districts: <sup>6</sup>					
District 1—Eastern Pennsylvania-----	100	40	4,597	4,106	2,392
District 2—Western Pennsylvania-----	62	31	10,737	9,632	6,781
District 3—Northern West Virginia-----	181	41	9,134	8,062	4,165
District 7—Southern No. 1-----	150	35	11,245	9,908	4,970
District 8—Southern No. 2-----	488	85	32,657	28,511	11,064
District 13—Southeastern-----	79	27	5,415	4,973	3,396
<u>Surface mines</u>					
United States <sup>4</sup> -----	452	129	16,581	14,763	6,478
Selected States:					
Illinois-----	40	20	3,293	2,810	2,154
Ohio-----	95	30	2,843	2,501	1,324
Pennsylvania-----	143	41	3,072	2,820	1,052
Coal Act Production District 1—Eastern Pennsylvania-----	92	32	2,292	2,112	889

<sup>1</sup> Coal Act Production Districts as defined in the Bituminous Coal Act of 1937 and modifications thereto.

<sup>2</sup> Includes only establishments with 10 workers or more at the time of reference of the universe data.

<sup>3</sup> Includes executive, professional, office, and other workers excluded from the production worker category shown separately.

<sup>4</sup> Includes data for States in addition to those shown separately. Alaska and Hawaii were not included in the study.

<sup>5</sup> Eastern Kentucky includes the following counties: Bell, Boyd, Breathitt, Carter, Clay, Elliott, Floyd, Greemp, Harlan, Jackson, Johnson, Knott, Knox, Laurel, Lawrence, Lee, Leslie, Letcher, McCreary, Magoffin, Martin, Morgan, Owsley, Perry, Pike, Rockcastle, Wayne, and Whitley.

<sup>6</sup> Relates to Coal Act Production Districts having other than State boundaries. Illinois, Ohio, and West Kentucky, shown under "Selected States," comprise CAP Districts 10, 4, and 9, respectively.

## DISTRICT 2.—WESTERN PENNSYLVANIA

Pennsylvania

Armstrong County (part).—All mines west of the Allegheny River except those mines served by the Pittsburgh & Shawmut Railroad.

Fayette County (part).—All mines except those on and east of the line of Indian Creek Valley branch of the Baltimore & Ohio Railroad.

Indiana County (part).—All mines served by the Saltsburg branch of the Pennsylvania Railroad.

Westmoreland County (part).—All mines except those served by the Pennsylvania Railroad from Torrance, east.

All mines in the following counties:

Allegheny	Butler	Lawrence	Venango
Beaver	Greene	Mercer	Washington

## DISTRICT 3.—NORTHERN WEST VIRGINIA

West Virginia

Nicholas County (part).—All mines served by or north of the Baltimore & Ohio Railroad.

All mines in the following counties:

Barbour	Jackson	Randolph	Webster
Braxton	Lewis	Ritchie	Wetzel
Calhoun	Marion	Roane	Wirt
Doddridge	Monongalia	Taylor	Wood
Gilmer	Pleasants	Tyler	
Harrison	Preston	Upshur	

## DISTRICT 4.—OHIO

All mines in the State.

## DISTRICT 7.—SOUTHERN NO. 1

West Virginia

Fayette County (part).—All mines east of Gauley River and all mines served by the Gauley River branch of the Chesapeake & Ohio Railroad and mines served by the Virginian Railway.

McDowell County (part).—All mines in that portion of the county served by the Dry Fork branch of the Norfolk & Western Railroad and east thereof.

Raleigh County (part).—All mines except those on the Coal River branch of the Chesapeake & Ohio Railroad and north thereof.

Wyoming County (part).—All mines in that portion served by the Gilbert branch of the Virginian Railway lying east of the mouth of Skin Fork of Guyandot River and in that portion served by the main line and the Glen Rogers branch of the Virginian Railway.

All mines in the following counties:

Greenbrier	Mercer	Monroe	Pocahontas	Summers
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Virginia

Buchanan County (part).—All mines in that portion of the county served by the Richlands-Jewell Ridge Branch of the Norfolk & Western Railroad and in that portion on the headwaters of Dismal Creek east of Lynn Camp Creek (a tributary of Dismal Creek).

Tazewell County (part).—All mines in those portions of the county served by the Dry Fork branch to Cedar Bluff and from Bluestone Junction to Boissevain branch of the Norfolk & Western Railroad and Richlands-Jewell Ridge branch of the Norfolk & Western Railroad.

All mines in the following counties:

Montgomery	Pulaski	Wythe	Giles	Craig
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## DISTRICT 8.—SOUTHERN NO. 2

West Virginia

Fayette County (part).—All mines west of the Gauley River except mines served by the Gauley River branch of the Chesapeake & Ohio Railroad.

McDowell County (part).—All mines west of and not served by the Dry Fork branch of the Norfolk & Western Railroad.

Nicholas County (part).—All mines in that part of the county south of and not served by the Baltimore & Ohio Railroad.

Raleigh County (part).—All mines on the Coal River branch of the Chesapeake & Ohio Railroad and north thereof.

Wyoming County (part).—All mines in that portion served by the Gilbert branch of the Virginian Railway and lying west of the mouth of Skin Fork of Guyandot River.

All mines in the following counties:

Boone	Clay	Lincoln	Mason	Putnam
Cabell	Kanawha	Logan	Mingo	Wayne

## DISTRICT 8.—SOUTHERN NO. 2—Continued

Virginia

Buchanan County (part).—All mines in the county, except in that portion on the headwaters of Dismal Creek, east of Lynn Camp Creek (a tributary of Dismal Creek) and in that portion served by the Richlands-Jewell Ridge Branch of the Norfolk & Western Railroad.

Tazewell County (part).—All mines in the county except in those portions served by the Dry Fork branch of the Norfolk & Western Railroad and branch from Bluestone Junction to Boissevain of Norfolk & Western Railroad and Richlands-Jewell Ridge branch of the Norfolk & Western Railroad.

All mines in the following counties:

Dickinson	Lee	Russell	Scott	Wise
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Kentucky

All mines in the following counties in eastern Kentucky:

Bell	Greenup	Lawrence	Morgan
Boyd	Harlan	Lee	Owsley
Breathitt	Jackson	Leslie	Perry
Carter	Johnson	Letcher	Pike
Clay	Knott	McCreary	Rockcastle
Elliott	Knox	Magoffin	Wayne
Floyd	Laurel	Martin	Whitley

Tennessee

All mines in the following counties:

Anderson	Claiborne	Fentress	Overton	Roane
Campbell	Cumberland	Morgan	Putnam	Scott

North Carolina

All mines in the State.

## DISTRICT 9.—WEST KENTUCKY

Kentucky

All mines in the following counties in western Kentucky.

Butler	Hancock	McLean	Todd
Christian	Henderson	Muhlenberg	Union
Crittenden	Hopkins	Ohio	Warren
Daviess	Logan	Simpson	Webster

## DISTRICT 10.—ILLINOIS

All mines in the State.

## DISTRICT 13.—SOUTHEASTERN

Alabama

All mines in the State.

Georgia

All mines in the following counties:

Dade	Walker
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Tennessee

All mines in the following counties:

Bledsoe	Hamilton	McMinn	Sequatchie	Warren
Grundy	Marion	Rhea	Van Buren	White

Data for Illinois, Ohio, and West Kentucky, comprising CAP Districts 10, 4, and 9, respectively, are provided under "Selected States" and not repeated under CAP Districts.

Employment

The 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 labor force included in the survey. The advance planning necessary to make a wage survey requires the use of lists of establishments assembled considerably in advance of the payroll period studied.

## Nonsupervisory Production Workers

The term nonsupervisory production workers as used in this bulletin includes working foremen and all nonsupervisory workers (including leadmen and trainees) engaged in excavation, haulage, trucking, hoisting, ventilation, drainage, drilling, blasting, loading, crushing, processing, inspection, storage handling, warehousing, shipping, maintenance, repair, janitorial, watchmen services, development (except construction performed by separate work force), auxiliary production for plant's own use (e.g., powerplant), and recordkeeping and other services closely associated with the above production operations.

### Occupations Selected for Study

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 job descriptions.) The occupations were chosen for their numerical importance, their usefulness in collective bargaining, or their representativeness of the entire job scale in the industry. Working supervisors, apprentices, learners, beginners, trainees, 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

The wage information relates to average straight-time hourly and weekly earnings, excluding 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 bonuses were included as part of the workers' regular pay; but nonproduction bonus payments, such as Christmas or yearend bonuses, were excluded. Weekly earnings are the product of straight-time hourly earnings and weekly hours worked, including paid-lunch periods.

### Comparison With Other Statistics

The straight-time hourly and weekly earnings presented in this bulletin differ in concept from the gross average hourly and weekly earnings published in the Bureau's monthly hours and earnings series. Unlike the latter, the estimates presented here exclude premium pay for overtime and for work on weekends, holidays, and late shifts. Average earnings are calculated from the weighted data by summing individual hourly and weekly earnings and dividing by the number of individual wage earners. In the monthly series, the sum of the man-hour totals reported by establishments in the industry is divided into the reported payroll totals to determine hourly earnings; weekly earnings are the product of average weekly hours and hourly earnings.

### Establishment Practices and Supplementary Wage Provisions

Supplementary benefits and practices were treated statistically on the basis that if formal provisions for supplementary benefits and practices were applicable to half or more of the production workers in an establishment, the practices or benefits were considered applicable to all such workers. Similarly, if fewer than half of the workers were covered, the practice or 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.

Scheduled Weekly Hours. Data refer to the predominant work schedule, including paid lunch periods, for full-time production workers employed on the day shift.

Average Weekly Hours Worked. Data relate to the weekly hours actually worked, including paid lunch periods, by employees during the payroll period studied.

Shift Practices and Differentials. Data relate to shift practices of establishments during the payroll period studied, and are presented in terms of the proportion of production workers actually employed under the conditions specified.

Paid Vacations. The summary of vacation plans is limited to formal arrangements, excluding informal plans whereby time off with pay is granted at the discretion of the employer or the supervisor.



## Appendix B: Occupational Descriptions

The primary purpose of preparing job descriptions for the Bureau's wage surveys is to assist its field staff 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 in use in individual establishments or those prepared for other purposes. In applying these job descriptions, the Bureau's field economists are instructed to exclude working supervisors, apprentices, learners, beginners, trainees, handicapped, part-time, temporary, and probationary workers.

### AUGER-MACHINE OPERATOR

Operates an auger machine to remove coal from a seam near the surface of the ground (out crop). Work involves most of the following: Positioning machine in work area; moving levers and operating controls to advance the auger (bit) into the coal seam; withdrawing auger and attaching additional sections of auger; changes auger head as required; and makes necessary adjustments and minor repairs. May grease and oil machine.

### BIT SHARPENER

Operates a machine for sharpening the bits of coal-cutting machines.

### BLACKSMITH, MAINTENANCE

Performs a variety of hand-forge work on metal parts for the building and repair of plant equipment. Work involves most of the following: Planning and laying out of work to specifications; heating, forming, bending, and fire welding of wrought-iron and steel parts; tempering metal by heating it to proper temperature and then dipping it into a quenching solution; using a variety of hammers, sledges, anvils, and anvil fittings in shaping and piercing metals; checking work with standard measuring instruments to assure accuracy of work; making standard shop computations; and sharpening and hardening of machine cutting bits and other cutting tools. In general, the work of the blacksmith requires a rounded training and experience normally acquired through a formal apprenticeship or equivalent training and experience.

### BONDER

(Bondman; rail bonder)

Welds or attaches copper connections in place between joints of track rails, used for trolley locomotives to complete electrical circuit between sections of rail.

### BRAKEMEN

(Coupler; nipper; rope rider; trip rider)

Rides on trains or trips of cars hauled by locomotive or hoisting cable or chain, and assists in their transportation to the foot of shaft or other mine opening. Work involves most of the following: Operating or throwing switches; coupling and uncoupling cars or attaching and detaching cars to and from cable; opening and closing ventilation doors; and directing movement of train by signaling motorman.

BRATTICEMEN

(Air man; canvas man; ventilation man)

Builds doors or brattices (ventilation walls or partitions) in underground passageways to control the proper circulation of air through the passageways and to the working places. Work involves most of the following: Determining location for and kind of brattice construction to be used; building temporary brattices made of brattice cloth or wood, or permanent brattices or stoppings of wood, stone, brick, mortar, or concrete; installing trapdoors of wood, brattice cloth or other material along the passageways; and sealing or closing abandoned sections of the mine.

BULLDOZER OPERATOR

(Cat operator; grader man; scraper man)

Operates tractor with concave steel scraper blade mounted in front of chassis to level, distribute, and push earth and other materials in surface coal mining operations.

For wage study purposes, bulldozer operators are classified according to the type of material being moved, as follows:

- Bulldozer operator, overburden
- Bulldozer operator, other than overburden
- Bulldozer operator, combination of overburden and other

CAGER, BOTTOM

(Bottomer; bottom man; footman; foot tender; station man)

Runs cars onto or off cage at shaft bottom or at intermediate shaft station in underground mine, and handles the caging of supplies into the mine, and men into and out of the mine. Directs movement of cage by signaling hoistman. May load skips by pulling lever which opens chute doors or skip pocket (underground storage bin) allowing material to flow into skip stationed below chute.

CAR DROPPER

(Car nipper; car runner; culm runner; load dropper)

Runs cars down inclined haulageways from working places to switches or sidings at shaft or along main haulageways. Work involves: Pushing cars down incline, one at a time; riding cars on steeper inclines and controlling speed or stopping them with brakes or by poking sprags between the spokes of the wheels; or hooking cable to cars and lowering them down incline, checking their movement by applying the brake on the drum around which the cable is wound.

CAR DUMPER

(Coal dumper; dumper)

Operates a car-dumping device to unload mine cars at the tippie, directing coal or slate into separate bins by means of an unloading chute, and moving cars to and from the dumping device with a feeder or car retarder.

CAR REPAIRMAN

(Mine-car repairer; pit-car repairer)

Reconditions mine cars by repairing worn or broken parts or by replacing such parts with new ones. Work involves most of the following: Inspecting mine cars, noting the condition of various parts, and determining need for repair or replacement of parts; making replacements of worn or broken parts such as axles, wheels and couplings; repairing old wood parts, or making, fitting, and installing new wood parts; and straightening or repairing parts.

CARPENTER, MAINTENANCE

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 in an establishment. 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.

CONTINUOUS-MINING-MACHINE OPERATOR

(Goodman borer; joy ripper; joy borer; marietta borer; wilcox borer; jeffery borer and colmol; lee-norse ripper type)

Operates self-propelled continuous mining machine to mine coal in underground mine. Work involves most of the following: Driving machine into position at working face; moving levers to sump (advance) ripper bar or boring head into face of coal seam; starting machine to gather coal and convey it to floor or haulage car; and repairing, oiling, and adjusting machine and changing cutting teeth, using wrench. May move lever to raise and lower hydraulic safety bar which supports roof above machine until roof bolters complete their work, and testing working place for methane gas and unsafe roof conditions.

CONTINUOUS-MINING-MACHINE OPERATOR'S HELPER

Assists in the operation of a continuous mining machine. Work involves most of the following: Guiding operator when moving machine; testing work place for presence of gas; assisting in setting up machine; removing cuttings to keep path of machine clear; and repairing, oiling, and adjusting machine and changing cutting teeth, using wrench.

CUTTING-MACHINE OPERATOR

(Coal cutter; machine man)

Operates a coal-cutting machine to undercut, centercut, or overcut the coal seam at a working face, thereby facilitating the shooting down of coal. Work involves most of the following: Testing working place for gas and for unsafe roof and wall conditions; bringing machine to working face and setting it up for cutting; manipulating controls on machine in undercutting, centercutting, or overcutting the face of the coal seam; greasing, oiling, and making minor repairs to machine; and directing the activities of one or more helpers.

CUTTING-MACHINE OPERATOR'S HELPER

(Coal-cutter's helper; machine man's helper)

Assists coal-cutting machine operator. Work involves most of the following: Throwing track switches, opening and closing trapdoors, and guiding operator when moving machine; testing working place for presence of gas; assisting operator in timbering work and setting up machine for cutting; removing cuttings to keep path of machine clear; and changing cutting bits, greasing and oiling machine, and operating machine as a relief operator.

DRILLER, HAND

Uses breast and/or post augers or other hand drills to drill holes in coal, rock, or slate in underground mines for blasting purposes. Work involves the following: Positioning drilling equipment; operating crank, thread bar or other controls to advance drill; and inserting longer drills as work advances. May make adjustments, minor repairs, and oil and grease equipment.

DRILLER, MACHINE

(Coal driller; drill man; machine driller; power driller)

Operates a portable power-driven drilling machine to drill coal, rock, or other materials to make holes for explosives. Work involves most of the following: Positioning

DRILLER, MACHINE — Continued

drilling equipment and making power connections; drilling shot holes as needed to obtain desired breakage from blasting; and lubricating, adjusting, and making minor repairs to machine. May, in addition, direct work of a helper and insert and set off charges of explosives in the holes. In underground mines, may also test roof for dangerous conditions and set safety jacks where needed.

For wage study purposes, machine drillers are classified according to the type of mine and type of material drilled, as follows:

Driller, machine, underground mine, coal  
 Driller, machine, underground mine, rock  
 Driller, machine, underground mine, combination coal and rock  
 Driller, machine, surface mine, coal  
 Driller, machine, surface mine, overburden  
 Driller, machine, surface mine, other (including combination of coal and overburden)

ELECTRICIAN, MAINTENANCE

Performs a variety of electrical trade functions such as the installation, maintenance, or repair of equipment for the generating, distribution, or utilization of electric energy in an establishment. 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, layout, 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.

For wage study purposes, maintenance electricians are classified as follows:

Electrician, maintenance, underground mine, inside  
 Electrician, maintenance, underground mine, outside  
 Electrician, maintenance, surface mine

ELECTRICIAN'S HELPER, MAINTENANCE

(See helper, maintenance trades)

ENGINEER, STATIONARY

Operates and maintains and may also supervise the operation of stationary engines and equipment (mechanical or electrical) to supply the establishment in which employed with power, heat, refrigeration, or air-conditioning. Work involves: Operating and maintaining equipment such as steam engines, air compressors, generators, motors, turbines, ventilating and refrigerating equipment, steam boilers and boiler-fed water pumps; making equipment repairs; and keeping a record of operation of machinery, temperature, and fuel consumption. May also supervise these operations. Head or chief engineers in establishments employing more than one engineer are excluded.

GROUNDMAN

(Pitman; shovel operator helper)

Performs a variety of duties to aid operation of a power shovel employed in removing overburden and coal in an open-pit mine. Work involves a combination of the following: Moving up power lines or water lines and other supplies when power shovel is moved to a new position in the mine; removing obstructions in path of shovel; blocking treads or wheels to steady shovel; and moving overburden and coal within reach of power shovel, using a pick and shovel.

HELPER, MAINTENANCE TRADES

Assists one or more workers in the skilled maintenance trades, by performing specific or general duties of lesser skill, such as keeping a worker supplied with materials and tools; cleaning working area, machine, and equipment; assisting worker by holding materials or tools; and performing other unskilled tasks as directed by journeyman. The kind of work the helper is permitted to perform varies from trade to trade: In some trades the helper is confined to supplying, lifting, and holding materials and tools and cleaning working areas; and in others he is permitted to perform specialized machine operations, or parts of a trade that are also performed by workers on a full-time basis.

For purposes of this study, maintenance trades helpers are limited to certain trades and classified according to type of mining operation, as follows:

Electrician's helper, underground mine, inside  
 Electrician's helper, underground mine, outside  
 Mechanic's helper, underground mine, inside  
 Mechanic's helper, underground mine, outside  
 Mechanic's helper, surface mine

HOISTMAN

(Electric hoistman; steam hoistman)

Operates steam or electric hoisting machinery used to lower cages (elevators) and skips (large metal box-like containers) into a mine and to raise them to the surface from different levels. Work involves: Manipulating levers and pedals to raise or lower cage in response to bell or buzzer signals received from others, and stopping it when dial indicator and mark on hoisting cable or drum shows proper level has been reached; and inspecting machinery frequently, especially the brakes, and adjusting them. (Men and supplies are carried in cages, while coal is handled in skips, though in some mines, loaded cars may be hoisted to the surface in cages.)

For wage study purposes, hoistmen are classified as follows:

Hoistman, underground mine, outside, noncontinuous operations  
 Hoistman, underground mine, outside, continuous operations

LAMPMAN

(Battery charger; lamp cleaner; lamphouse man; safety lamp keeper)

Services electric and other lamps and batteries used in mines. Work involves most of the following: Cleaning, testing, and repairing lamps; adding chemicals and charging the small batteries after each shift; and issuing locked and lighted lamps to miners. May keep records such as number of men underground by number of lamps issued.

LOADER, HAND

(Car loader; conveyor loader, shoveler)

Shovels coal into mine cars or onto conveyors from the mine floor at the working face. Work involves a combination of the following: Testing roof for unsafe condition and setting up supports as necessary; undercutting coal, drilling shot holes in working face, shooting coal down with explosives; loading coal onto conveyors or directly into mine cars; sorting out slate or other impurities; and extending mine tracks for convenience in loading.

LOADING-MACHINE OPERATOR

(Duckbill self-loading-conveyor operator; joy loader operator; jeffrey loader operator; loading-machine runner; mobile-loader operator; scraper-loader operator)

Operates one or more of a variety of types of coal-loading machines used to gather loose coal (or rock) at the working face, and dump it into mine cars or upon a conveyor.

LOADING-MACHINE OPERATOR — Continued

Work involves most of the following: Inspecting and testing roof of working area for unsafe condition and setting up supports where necessary; moving track-mounted or crawler-tread-mounted machine to working face; manipulating machine controls to position the gathering head and to move machine as necessary in gathering and loading the coal; directing the activities of helpers; and greasing, oiling, and making minor repairs and adjustments to machine. May also test working place for methane gas.

For wage study purposes, loading-machine operators are classified according to the type of material they load, as follows:

- Loading-machine operator, coal
- Loading-machine operator, rock
- Loading-machine operator, combination coal and rock

MACHINIST, MAINTENANCE

Produces replacement parts and new parts in making repairs of metal parts of mechanical equipment operated in an establishment. Work involves most of the following: Interpreting written instructions and specifications; planning and laying out of work; using a variety of machinists' 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 his 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.

MACHINIST'S HELPER, MAINTENANCE

(See helper, maintenance trades)

MECHANIC, MAINTENANCE

Repairs machinery or mechanical equipment of an establishment. 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 of the machine to a machine shop for major repairs; preparing written specifications for major repairs or for the production of parts ordered from machine shop; reassembling machines; and making all necessary adjustments for operation. In general, the work of a 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.

For wage study purposes, maintenance mechanics are classified as follows:

- Mechanic, maintenance, underground mine, inside
- Mechanic, maintenance, underground mine, outside
- Mechanic, maintenance, surface mine

MECHANIC'S HELPER, MAINTENANCE

(See helper, maintenance trades)

MINER, PICK

(Cutter, hand; miner, hand)

Uses handtools to extract coal in an underground mine (usually a small mine where specialization and mechanization is impractical). Work involves most of the following: Performing timbering as necessary to support roofs and walls of working areas; undercutting

MINER, PICK—Continued

the working face of coal to facilitate the loosening of coal; breaking down coal face with a pick, or boring shot holes for blasting; shoveling coal into cars and pushing them to haulage; and laying and maintaining track. May also insert and set off explosives in shot holes.

MOTORMAN

(Dinkey engineer; haulage engineer)

Operates a locomotive for hauling empty or loaded mine cars to and from designated places inside or outside the mine.

For wage study purposes, motormen are classified as follows:

Motorman, underground mine, inside  
Motorman, underground mine, outside

OILER AND GREASER

Lubricates, with oil or grease, the moving parts or wearing surfaces of mechanical equipment of an establishment.

For wage study purposes, oilers and greasers are classified as follows:

Oiler and greaser, underground mine, inside  
Oiler and greaser, underground mine, outside  
Oiler and greaser, surface mine

POWER-SHOVEL OPERATOR

(Power-shovel engineer)

Operates any one of various types of power shovels to remove overburden from the coal seam or to load coal or other material into trucks or other transportation equipment.

For wage study purposes, power-shovel operators are classified according to the type of material they load or remove, as follows:

Power-shovel operator, coal  
Power-shovel operator, overburden  
Power-shovel operator, other (including combination of coal and overburden)

PUMPMAN

(Pump operator; pumper)

Operates one or more motor-driven pumps used to remove excess water from work areas in an underground or surface mine. Work involves most of the following: Setting or assisting in the work of setting the pumps at desired locations, or in laying, connecting and repairing pipe or hose lines; starting and stopping pumps; making necessary adjustments or minor repairs to equipment; and reporting on water levels in work areas.

For wage study purposes, pumpmen are classified as follows:

Pumpman, underground mine, inside  
Pumpman, surface mine

ROOF BOLTER

Operates self-propelled machine or percussion-type air drill to install roof support bolts in underground mine. Work involves most of the following: Positioning safety jack to support roof until bolts can be installed; driving machine into position; inserting bit in

ROOF BOLTER—Continued

drill chuck, and starting drill; moving lever to advance bit into roof at specified distance from rib or adjacent bolt; removing bit from chuck and replacing with bolt; starting hydraulic or air wrench action which forces bolt into hole; starting rotation of chuck to turn bolt and open expansion head to exert pressure upon rock formation; and testing bolt for specified tension, using torque wrench. May also test for unsafe roof conditions and methane gas.

SHOT FIRER

(Blaster, shooter; shot fireman)

Blasts coal, or rock loose from solid mass by charging, tamping, and setting off charges of explosives in drilled holes. Work involves most of the following: Preparing and placing explosive charge with primer inserted in shot hole, tamping charge in place; filling remainder of shot hole with noncombustible material, tamping it tightly and leaving a detonator wire extending outside the hole; preparing blasting equipment and setting off charge; and examining areas in which charges have been set off and reporting on number and location of holes fired and those that fail to go off. In underground mines, may also test location for explosive gas. May also drill own shot holes.

For wage study purposes, shot firers are classified as follows:

Shot firer, underground mine, inside

Shot firer, surface mine

SHUTTLE-CAR OPERATOR

Drives electrically powered truck (shuttle car) in coal mine to transport coal from excavation point to conveyor belt or mine cars. Work involves most of the following: Manually attaches trailing cable of truck to power wires; positions car under boom of loading machine by manipulating control levers, pedals, and steering wheel; maneuvers car back and forth under boom until it is filled with coal; drives car to loader header of conveyor belt and presses button to load coal from truck to conveyor or mine cars; and periodically inspects car and reports defects.

SLATE PICKER

(Coal cleaner)

Picks, by hand, pieces of slate, rock, or other foreign material from coal as it passes on conveyor, picking table, shaking screen, gravity screen, or from mine or railroad cars as they are being loaded.

For wage study purposes, slate pickers are classified as follows:

Slate picker, underground mine, outside

Slate picker, surface mine

TIMBERMAN

Installs sets of timbers underground to support the roofs and walls of haulageways, airways, and shafts. Work involves most of the following: Determining type of support required, the material to be used, and proper location for the installation; cutting or directing the cutting of timber to size; setting timbers in position and securing the support by wedging or by driving spikes or drift pins; and installing ladders, chutes, cribbing, or other frame work.

TIPPLE OPERATOR

(Tipple engineer)

Operates engines or motors that drive conveyors, shaking screens, and other machinery in a tipple where coal is prepared for market.

TIPPLE OPERATOR—Continued

For wage study purposes, tipple operators are classified as follows:

Tipple operator, underground mine, outside  
Tipple operator, surface mine

TRACKMAN

(Roadman; track layer)

Prepares the track bed, and lays, maintains, and repairs rail tracks in a mine. Work involves most of the following: Preparing track bed by grading; placing ties in position; laying and spacing rails, spiking or clamping rails to ties, joining rail sections and installing switches; inspecting established track to detect possible defects, making adjustments or replacements as necessary; and removing rails, ties, and other track parts from areas where they are no longer needed.

TRIMMER

(Car trimmer; coal trimmer)

Trims the tops of railroad car loads, changing the position or location of lumps of coal to prevent any loss while cars are in transit.

TRUCKDRIVER

Drives a truck to transport coal, overburden, or other materials and equipment or men in and around the mine, loading docks, or tipples and other areas as required. May also load or unload truck with or without helpers, make minor mechanical repairs, and keep truck in good working order.

For wage survey purposes, truckdrivers are classified by type of mine and by type of truck, as follows:

Truckdriver, trailer type, underground mine  
Truckdriver, other than trailer type, underground mine  
Truckdriver, trailer type, surface mine  
Truckdriver, other than trailer type, surface mine  
Truckdriver, combination of types, surface mine

WELDER, MAINTENANCE

Performs the welding duties necessary to maintain machinery and equipment in good repair, by fusing (welding) metal objects together in the fabrication of metal shapes and in repairing broken or cracked metal objects. Work involves most of the following: Planning and laying out work from written or oral instructions and specifications; knowledge of welding properties of a variety of metals and alloys; setting up work and determining operation sequence; welding a variety of items as necessary; and ability to weld with gas and arc apparatus.



## INDUSTRY WAGE STUDIES

The following reports cover part of the Bureau's program of industry wage surveys. These reports cover the period 1950 to date and may be obtained free upon request as long as a supply is available. However, those for which a price is shown are available only from the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C. 20402, or any of its regional sales offices.

### I. Occupational Wage Studies

#### *Manufacturing*

##### Apparel:

- Men's Dress Shirts and Nightwear, 1950 - Series 2, No. 80
- Men's and Boys' Dress Shirts and Nightwear, 1954 - BLS Report 74
- \*Men's and Boys' Shirts (Except Work Shirts) and Nightwear, 1956 - BLS Report 116
- Men's and Boys' Shirts (Except Work Shirts) and Nightwear, 1961 - BLS Bulletin 1323 (40 cents)
- Men's and Boys' Suits and Coats, 1958 - BLS Report 140
- Women's and Misses' Coats and Suits, 1957 - BLS Report 122
- Women's and Misses' Coats and Suits, 1962 - BLS Bulletin 1371 (25 cents)
- Women's and Misses' Dresses, 1960 - BLS Report 193
- Work Clothing, 1953 - BLS Report 51
- Work Clothing, 1961 - BLS Bulletin 1321 (35 cents)
- \*Work Shirts, 1955 and 1956 - BLS Report 115
- \*Work Shirts, 1957 - BLS Report 124

##### Chemicals and Petroleum:

- Fertilizer, 1949-50 - Series 2, No. 77
- \*Fertilizer Manufacturing, 1955 and 1956 - BLS Report 111
- \*Fertilizer Manufacturing, 1957 - BLS Report 132
- Fertilizer Manufacturing, 1962 - BLS Bulletin 1362 (40 cents)
- Industrial Chemicals, 1951 - Series 2, No. 87
- Industrial Chemicals, 1955 - BLS Report 103
- Paints and Varnishes, 1961 - BLS Bulletin 1318 (30 cents)
- Petroleum Production and Refining, 1951 - Series 2, No. 83
- Petroleum Refining, 1959 - BLS Report 158
- Synthetic Fibers, 1958 - BLS Report 143

##### Food:

- Candy and Other Confectionery Products, 1960 - BLS Report 195
- \*Canning and Freezing, 1955 and 1956 - BLS Report 117
- \*Canning and Freezing, 1957 - BLS Report 136
- Distilled Liquors, 1952 - Series 2, No. 88
- Flour and Other Grain Mill Products, 1961 - BLS Bulletin 1337 (30 cents)
- Fluid Milk Industry, 1960 - BLS Report 174
- \*Raw Sugar, 1955 and 1956 - BLS Report 117
- \*Raw Sugar, 1957 - BLS Report 136

##### Leather:

- Footwear, 1953 - BLS Report 46
- \*Footwear, 1955 and 1956 - BLS Report 115
- Footwear, 1957 - BLS Report 133
- Footwear, 1962 - BLS Bulletin 1360 (45 cents)
- Leather Tanning and Finishing, 1954 - BLS Report 80
- Leather Tanning and Finishing, 1959 - BLS Report 150
- Leather Tanning and Finishing, 1963 - BLS Bulletin 1378 (40 cents)

##### Lumber and Furniture:

- Household Furniture, 1954 - BLS Report 76
- Lumber in the South, 1949 and 1950 - Series 2, No. 76
- Southern Lumber Industry, 1953 - BLS Report 45
- \*Southern Sawmills, 1955 and 1956 - BLS Report 113
- \*Southern Sawmills, 1957 - BLS Report 130
- Southern Sawmills and Planing Mills, 1962 - BLS Bulletin 1361 (30 cents)
- West Coast Sawmilling, 1952 - BLS Report 7
- West Coast Sawmilling, 1959 - BLS Report 156
- Wood Household Furniture, Except Upholstered, 1959 - BLS Report 152
- Wood Household Furniture, Except Upholstered, 1962 - BLS Bulletin 1369 (40 cents)
- \*Wooden Containers, 1955 and 1956 - BLS Report 115
- \*Wooden Containers, 1957 - BLS Report 126

##### Paper and Allied Products:

- Pulp, Paper, and Paperboard, 1952 - Series 2, No. 81
- Pulp, Paper, and Paperboard Mills, 1962 - BLS Bulletin 1341 (40 cents)

##### Primary Metals, Fabricated Metal Products and Machinery:

- Basic Iron and Steel, 1951 - Series 2, No. 91
- Basic Iron and Steel, 1962 - BLS Bulletin 1358 (30 cents)
- Fabricated Structural Steel, 1957 - BLS Report 123
- Gray Iron Foundries, 1959 - BLS Report 151
- Nonferrous Foundries, 1951 - Series 2, No. 82
- Nonferrous Foundries, 1960 - BLS Report 180
- Machinery Industries, 1953-54 - BLS Bulletin 1160 (40 cents)
- Machinery Industries, 1954-55 - BLS Report 93
- Machinery Manufacturing, 1955-56 - BLS Report 107
- Machinery Manufacturing, 1957-58 - BLS Report 139
- Machinery Manufacturing, 1958-59 - BLS Report 147
- Machinery Manufacturing, 1959-60 - BLS Report 170
- Machinery Manufacturing, 1961 - BLS Bulletin 1309 (30 cents)
- Machinery Manufacturing, 1962 - BLS Bulletin 1352 (40 cents)
- Radio, Television, and Related Products, 1951 - Series 2, No. 84
- Steel Foundries, 1951 - Series 2, No. 85

##### Rubber and Plastics Products:

- Miscellaneous Plastics Products, 1960 - BLS Report 168

##### Stone, Clay, and Glass:

- Pressed or Blown Glass and Glassware, 1960 - BLS Report 177
- Structural Clay Products, 1954 - BLS Report 77
- Structural Clay Products, 1960 - BLS Report 172

##### Textiles:

- Cotton Textiles, 1954 - BLS Report 82
- Cotton Textiles, 1960 - BLS Report 184
- Cotton and Synthetic Textiles, 1952 - Series 2, No. 89
- Hosiery, 1952 - BLS Report 34
- Hosiery, 1962 - BLS Bulletin 1349 (45 cents)
- Miscellaneous Textiles, 1953 - BLS Report 56
- \*Processed Waste, 1955 and 1956 - BLS Report 115
- \*Processed Waste, 1957 - BLS Report 124
- \*Seamless Hosiery, 1955 and 1956 - BLS Report 112
- \*Seamless Hosiery, 1957 - BLS Report 129
- Synthetic Textiles, 1954 - BLS Report 87
- Synthetic Textiles, 1960 - BLS Report 192
- Textile Dyeing and Finishing, 1956 - BLS Report 110
- Textile Dyeing and Finishing, 1961 - BLS Bulletin 1311 (35 cents)
- Woolen and Worsted Textiles, 1952 - Series 2, No. 90
- Wool Textiles, 1957 - BLS Report 134
- Wool Textiles, 1962 - BLS Bulletin 1372 (45 cents)

##### Tobacco:

- Cigar Manufacturing, 1955 - BLS Report 97
- \*Cigar Manufacturing, 1956 - BLS Report 117
- Cigar Manufacturing, 1961 - BLS Bulletin 1317 (30 cents)
- Cigarette Manufacturing, 1960 - BLS Report 167
- \*Tobacco Stemming and Redrying, 1955 and 1956 - BLS Report 117
- \*Tobacco Stemming and Redrying, 1957 - BLS Report 136

##### Transportation:

- Motor Vehicles and Parts, 1950 - BLS Bulletin 1015 (20 cents)
- Motor Vehicles and Motor Vehicle Parts, 1957 - BLS Report 128
- Railroad Cars, 1952 - Series 2, No. 86

\* Studies of the effects of the \$1 minimum wage.

## I. Occupational Wage Studies—Continued

### *Nonmanufacturing*

Auto Dealer Repair Shops, 1958 - BLS Report 141  
Banking Industry, 1960 - BLS Report 179  
Contract Cleaning Services, 1961 - BLS Bulletin 1327 (25 cents)  
Crude Petroleum and Natural Gas Production, 1960 -  
BLS Report 181  
Department and Women's Ready-to-Wear Stores, 1950 -  
Series 2, No. 78  
Eating and Drinking Places, 1961 - BLS Bulletin 1329 (40 cents)  
Electric and Gas Utilities, 1950 - Series 2, No. 79  
Electric and Gas Utilities, 1952 - BLS Report 12  
Electric and Gas Utilities, 1957 - BLS Report 135  
Hospitals, 1960 - BLS Bulletin 1294 (50 cents)  
Hotels, 1960 - BLS Report 173  
Hotels and Motels, 1961 - BLS Bulletin 1328 (30 cents)  
Life Insurance, 1961 - BLS Bulletin 1324 (30 cents)  
Power Laundries and Cleaning Services, 1961 -  
BLS Bulletin 1333 (45 cents)  
Power Laundries and Dry Cleaners, 1960 - BLS Report 178

## II. Other Industry Wage Studies

Communications Workers, Earnings in October 1956 - BLS Report 121  
Communications Workers, Earnings in October 1957 - BLS Report 138  
Communications Workers, Earnings in October 1958 - BLS Report 149  
Communications Workers, Earnings in October 1959 - BLS Report 171  
Communications, October 1960 - BLS Bulletin 1306 (20 cents)  
Communications, 1961 - BLS Bulletin 1343 (20 cents)  
Factory Workers' Earnings - Distributions by Straight-Time Hourly Earnings, 1954 - BLS Bulletin 1179 (25 cents)  
Factory Workers' Earnings - 5 Industry Groups, 1956 - BLS Report 118  
Factory Workers' Earnings - Distribution by Straight-Time Hourly Earnings, 1958 - BLS Bulletin 1252 (40 cents)  
Factory Workers' Earnings - Selected Manufacturing Industries, 1959 - BLS Bulletin 1275 (35 cents)  
Wages in Nonmetropolitan Areas, South and North Central Regions, October 1960 - BLS Report 190

### Retail Trade:

Employee Earnings in Retail Building Materials, Hardware, and Farm Equipment Dealers, June 1961 -  
BLS Bulletin 1338-1 (25 cents)  
Employee Earnings in Retail General Merchandise Stores, June 1961 - BLS Bulletin 1338-2 (40 cents)  
Employee Earnings in Retail Food Stores, June 1961 - BLS Bulletin 1338-3 (35 cents)  
Employee Earnings at Retail Automotive Dealers and in Gasoline Service Stations, June 1961 -  
BLS Bulletin 1338-4 (40 cents)  
Employee Earnings in Retail Apparel and Accessory Stores, June 1961 - BLS Bulletin 1338-5 (40 cents)  
Employee Earnings in Retail Furniture, Home Furnishings, and Household Appliance Stores, June 1961 -  
BLS Bulletin 1338-6 (40 cents)  
Employee Earnings in Miscellaneous Retail Stores, June 1961 - BLS Bulletin 1338-7 (35 cents)  
Employee Earnings in Retail Trade, June 1961 (Overall Summary of the Industry) -  
BLS Bulletin 1338-8 (45 cents)

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## Regional Offices

U. S. Department of Labor  
Bureau of Labor Statistics  
18 Oliver Street  
Boston, Mass. 02110

U. S. Department of Labor  
Bureau of Labor Statistics  
341 Ninth Avenue  
New York, N.Y. 10001

U. S. Department of Labor  
Bureau of Labor Statistics  
1371 Peachtree Street, NE.  
Atlanta, Ga. 30309

U. S. Department of Labor  
Bureau of Labor Statistics  
1365 Ontario Street  
Cleveland, Ohio 44114

U. S. Department of Labor  
Bureau of Labor Statistics  
105 West Adams Street  
Chicago, Ill. 60603

U. S. Department of Labor  
Bureau of Labor Statistics  
630 Sansome Street  
San Francisco, Calif. 94111