

Washington State Coal Co.

WASHINGTON STATE COAL CO.

WASHINGTON STATE COAL CO.

WASHINGTON UNION COAL COMPANY

Statement of Tons Mined to August 31, 1932

<u>Year</u>	<u>Tons</u>
1908 and 1909	99,727.85
1910	28,601.20
1911	89,235.40
1912	136,543.15
1913	152,769.65
1914	109,495.35
1915	112,007.25
1916	164,316.00
1917	204,452.85
1918	270,345.60
1919	213,298.65
1920	257,104.10
1921	255,448.75
1922	178,719.60
1923	250,846.00
1924	263,768.10
1925	257,096.15
1926	250,222.55
1927	257,332.85
1928	260,885.35
1929	235,575.05
1930	160,364.50
1931	97,068.80
1932 (Jan. - Aug.)	<u>56,483.85</u>
Total	<u>4,379,729.20</u>

Auditor's Office
Rock Springs, Wyo., Aug. 31, 1937
Requested by Mr. Eugene McAuliffe, Pres.

1-302

Rock Springs - Aug. 31, 1937

Mr. E. McAuliffe - Rock Springs:

As requested in your letter of August 26, I send you herewith two copies of statement of tons mined by Washington Union Coal Company, by years, to August 31, 1932. Tons mined in 1908 to 1909 have been combined, as the segregation was not very clear in the records.

The Union Pacific Coal Company was incorporated on September 25, 1890; most of the reports of operations began November 1, 1890.

The sale of commercial coal by The Union Pacific Coal Company was discontinued as of May 31, 1917, except at Hanna, where it was continued until April 30, 1920.

Frank Tallmer

WASHINGTON UNION COAL COMPANY

Annual Report

1931

W. W. STERN
215 N. 4TH ST.
PHILADELPHIA, PA.
AMERICAN CLIP CO.
NEW YORK

Tono, Wash., February 7, 1932.

Mr. Eugene McAuliffe, - Omaha:

I submit herewith report of operations of Washington Union Coal Company for the year 1931 as follows:

HOLDINGS: These total 6880.51 acres, divided 5985.01 acres owned in fee simple, and mineral rights only to 895.5 acres, as per Tax Agent's records. Acreages of our tillable and semi-cleared lands are substantially unchanged. Logged off areas are estimated to be the same as reported for 1929.

Total farm leases are 13 in number, yielding a gross annual rental of approximately \$2200.00, while accruals from miscellaneous railroad rights of way yield about \$500.00 per year.

GENERAL STATEMENT: Total output for 1931 was 97,068.8 tons, or 83,296.2 tons less than for 1930; mine operated 146 days, or 31 days less than for 1930. Cost per ton for the year's production was \$1.624 as compared with \$1.527 for 1930, an increase of \$.097 per ton due entirely to lessened output, in fact with an output of around 10,000 tons per month the mine cost can, with mechanical loaders, be kept around \$1.40. The year's commercial sales were 5591.9 tons as against 9727 tons for 1930, a decrease of 4135 tons, due entirely to lessened output. Total shifts worked by contract miners 2637 producing 29,687 tons, an average per Contract-Miner-Shift of 11.25 tons. Loading machines produced 59,987 tons, or 61.8% of the total output, averaging per Machine-Man-Shift 17.03 tons. Other day pay employes produced 7,394.8 tons. Two mechanical loading units were in operation the entire year, one but for two months of the year. One Red Devil operated the entire year and two others but for about two months of the year.

Production per man-day for each payroll employe was 5.71 tons, which is .069 tons less than for 1930 and is due entirely to lessened output, Monthly pay employe-days for 1931 were 4275 as compared with 5290 for 1930, and on our present basis for 1932 will be 3111 days.

During the year the following economies were effected: May 1st, Mining Engineer at \$125.00 per month, Night Mine Examiner at \$230.00 per month and Janitor at \$35.00 per month were laid off, and in addition to these on August 15th the Material Clerk at \$175.00 per month, Weighman at \$190.00 per month, and on August 26th a Watchman around \$130.00 per month, were laid off. On September 1st the City Water Pumpman was reduced to half time, saving \$70.00 per month; also for the past four months we have cut out the regular mine pump tender, assigning him duty as Driver, the pumping duty taken over by Night Foreman, making a total saving of \$6329.50.

In addition to the foregoing I estimate that by laying off 40 contract miners as of April 30, 1931, the following saving was effected, same based on 99 work days since these 40 contract miners were laid off, and they at an average of 11.25 tons each per day would have produced 44,550 tons. This tonnage was consequently thrown to our mechanical loaders, the average yearly production cost of which is \$.1651 less than the contract mining rate of \$.7241, producing a visible saving of around \$7355., making a total saving for the year approximately \$13,684.00.

The invisible saving effected by our mechanical loaders is no doubt considerable, consisting of such as less timbering costs due to lesser time places have to be kept open account quicker recovery of coal, lessened fire hazard account quicker recovery of coal; a less haulage and track expense, &c. due to pan lines.

Following is a synopsis of all accidents reported for the year:

- 1 - Sprained back (lifting coal)
- 1 - Back bruised (struck by moving coal)
- 1 - Broken leg (fell while walking on slippery log)
- 1 - Bruised Thumb (caught between two props while unloading)
- 1 - Crushed fingers (caught while coupling mine cars)
- 1 - Wrenched shoulder (sprained by animal jerking)
- 1 - Bruised head, shoulders and back (fall of top coal)

The mine generally, including traveling ways, airways and haulage roads, is in good condition and repair, with all worked-out areas sealed off. All Ventilating equipment, Hoisting and Hauling Machinery in good working order.

Development work is well in advance of the mine's requirements and extraction of coal is being prosecuted so as to obtain maximum recovery consistent with safety. During the year Company Miners and Mechanical Loaders drove 133 yards of Entry, 93 yards of Crosscut and 51 yards Room Turning.

The labor turnover is nil, number of employes having been reduced to meet the situation caused by installation of mechanical loaders and less demand for Tono Coal. During the year our working force was reduced approximately 51%. The labor situation was generally good with no grievances to cause delay or stoppage of work.

100% of caps pieces and 10% of ties used at the mine during the year were obtained from left-overs from former logging operations on our lands; substantially 100% of props used came from outside lands.

FIRST AID: Materials for this purpose are provided and located at various points throughout the mine most convenient to workmen. The supply is inspected regularly by Safety Committeemen and Mine Officials and replenished as needed. Activities of First Aid and Mine Rescue work were of very good average throughout the year, our First Aid Team having won first prize at the Inter-Company Meet at Rock Springs, Wyo. in 1931, and also first place at the State Meet held at Renton, Wash.

Tono's cost for such activities was approximately \$1,000., including cost for time lost at the mine.

Regular monthly safety meetings of workmen and Mine Officials were held throughout the year, at which safety and accident prevention measures were freely discussed; and no doubt much good has been accomplished by such activity.

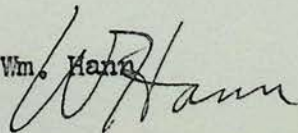
Training in First Aid by individuals and Teams has been carried on in the usual manner by a number of our men, and opportunity is afforded all to take training. During the year a large number of the men have taken this training under Mr. John G. Schoning of the Bureau of Mines Station, Seattle, who renders valuable service in this respect.

Activities amongst the ladies such as Community Club, Library and State College Extension, have maintained a usual standard during the year.

UNUSUAL EXPENDITURES: In addition to current upkeep, the following unusual expenditures were made: Grading and improving main haulage roads cost approximately \$180.00; prospecting in faults and grading account same cost \$220.00; combating fires cost \$480.00; sealing off Burton Plane section of the mine, account closing down same, taking out machinery, cost \$225.00; extra timbering account working unusually bad ground cost \$210.00; renewal of pit cars cost \$3000., and renewals and extensions of electric power, cables, switches, &c., cost \$1200.

CAMP: In addition to the ordinary upkeep expense for cleaning streets, alleys, and repairs to houses, lighting and pipe lines, approximately \$350. was expended for major items such as renewal of roofs, their floors, foundations, &c.

Wm. Hann



T O N O M I N E

PRODUCTION AND DISTRIBUTION OF OUTPUT FOR CALENDAR YEAR

1932

	<u>Commercial Lump , R.M.</u>	<u>O-WRR&N R.M.</u>	<u>Employes R.M.</u>	<u>Trucks R.M.</u>	<u>Boilers R.M.</u>	<u>Total</u>
January	1257.2	11147.6	114.	135.95	112.	12766.75
February	101.2	8602.1	103.	144.	123.	9073.3
March	302.7	9081.1	83.	158.5	124.	9749.3
April	591.75	13188.2	84.	116.9	50.	14030.85
May	56.4	7283.5	25.	30.	23.	7417.9
June		4018.15	27.	8.85	26.	4080.
July		4171.85	25.	20.1	16.	4232.95
August		1617.95	11.	9.6	9.	1647.55
September	563.5	3934.5	43.	65.35	15.	4621.35
October	1141.	7227.75	65.	203.05	18.45	8655.25
November	819.2	12194.55	90.	242.1	28.5	13374.35
December	<u>758.95</u>	<u>6300.7</u>	<u>90.</u>	<u>199.05</u>	<u>70.55</u>	<u>7419.25</u>
Total	5591.9	88767.95	760.	1333.45	615.5	97068.8

T O N O M I N E

STATEMENT OF COST OF COAL, PER TONS MINED AND SHIPPED, PER
FORM 89, FOR THE CALENDAR YEAR

1932

	<u>Tonnage</u>	<u>Material</u>	<u>Labor & Misc.</u>	<u>Total</u>	<u>Cost Per Ton</u>
January	12766.75	\$1829.53	\$18396.85	\$20226.38	\$1.584
February	9073.3	1550.88	14372.21	15923.09	1.755
March	9749.3	1548.42	14810.32	16358.74	1.678
April	14030.85	1884.72	18591.97	20476.69	1.459
May	7417.9	1436.80	11698.84	13135.64	1.771
June	4080.	909.01	7821.60	8730.61	2.140
July	4232.95	827.82	7691.18	8519.00	2.013
August	1647.55	512.11	5455.37	5967.48	3.621
September	4621.35	983.63	7147.96	8131.59	1.760
October	8655.25	1929.06	10391.51	12320.57	1.424
November	13374.35	2906.83	13577.54	16484.37	1.233
December	<u>7419.25</u>	<u>1576.87</u>	<u>9788.18</u>	<u>11365.05</u>	<u>1.532</u>
Total	97068.8	17895.68	139743.53	157639.21	(1.624)

T O N O M I N E

DETAIL OF COST OF COAL, PER TONS MINED AND SHIPPED, PER FORM 89, FOR CALENDAR YEAR

1932

	<u>Maintenance</u>	<u>Air, Drainage & Light</u>	<u>Minning</u>	<u>Hauling</u>	<u>Weigh.& Loading</u>	<u>Devel'mt.</u>	<u>Sup'ts.</u>	<u>Depcn.</u>	<u>Deplm.</u>	<u>TOTAL</u>
January	.216	.085	.713	.212	.033	.035	.148	.110	.032	1.584
February	.251	.098	.725	.225	.039	.029	.202	.154	.032	1.755
March	.207	.095	.722	.221	.036	.029	.190	.144	.032	1.678
April	.137	.087	.720	.196	.032	.028	.131	.096	.032	1.459
May	.236	.115	.642	.234	.046	.037	.248	.181	.032	1.771
June	.252	.101	.644	.278	.066	.029	.410	.328	.032	2.140
July	.254	.079	.614	.227	.061	.027	.402	.317	.032	2.013
August	.440	.197	.637	.451	.077	.020	.968	.799	.032	3.621
September	.175	.057	.619	.265	.041	.001	.285	.285	.032	1.760
October	.160	.062	.619	.216	.034	-	.149	.152	.032	1.424
November	.159	.038	.588	.192	.028	-	.098	.098	.032	1.233
December	.189	.080	.601	.237	.030	.005	.169	.189	.032	1.532

T O N O M I N E

STATEMENT OF YARDAGE DRIVEN DURING CALENDAR YEAR

1932

	<u>Entry</u>	<u>Airway</u>	<u>Room</u>	<u>Total</u>	<u>Cost</u>
January	45	124	15	184	\$ 456.44
February	35	46	14	95	258.69
March	47	30	4	81	278.88
April	68	77	8	153	392.32
May	195	5		200	274.18
June	35	7		42	117.10
July	35			35	99.30
August	11			11	32.36
September	2			2	6.67
October				-	-
November				-	-
December	<u>14</u>	<u> </u>	<u> </u>	<u>14</u>	<u>37.24</u>
Total	487	289	41	817	\$1953.18

T O N O M I N E
STATEMENT OF EXPENDITURES ACCOUNT "CONSTRUCTION"
FOR THE CELENDAR YEAR
1932

<u>Work Order</u>	<u>Item</u>	<u>Amount</u>
148	Coal Loading Machinery (Inside)	\$11,988.22

TONO MINE
 STATEMENT OF REAL ESTATE DEPARTMENT RECEIPTS AND
 MAINTENANCE EXPENSE FOR THE CALENDAR YEAR
 1932

	<u>Receipts</u>	<u>Maintenance</u>	<u>Difference</u>
January	\$ 1764.00	\$ 909.57	
February	1253.50	378.58	
March	1056.12	495.72	
April	923.50	461.61	
May	833.90	456.82	
June	990.66	420.68	
July	1893.00	411.39	
August	765.79	236.10	
September	753.75	319.92	
October	989.13	329.06	
November	955.00	311.58	
December	<u>830.00</u>	<u>317.01</u>	
Total	\$13008.35	\$5048.04	<u>\$7960.31</u>

RECEIPTS include all sources per Form 109.
 MAINTENANCE excludes Depreciation, Insurance,
 Taxes and General Office Expense.

T O N O M I N E
 STATEMENT OF WATER PLANT RECEIPTS AND MAINTENANCE
 EXPENSE FOR THE CALENDAR YEAR
 1932

	<u>Receipts</u>	<u>Maintenance</u>	<u>Difference</u>
January	\$ 94.00	\$ 191.35	
February	94.00	197.19	
March	91.96	175.64	
April	87.50	177.55	
May	84.65	208.47	
June	79.87	175.20	
July	77.00	208.41	
August	76.61	191.62	
September	75.00	95.85	
October	73.32	101.57	
November	70.00	92.75	
December	<u>69.00</u>	<u>92.74</u>	
Total	\$972.91	\$1908.34	<u>\$935.23</u>

RECEIPTS include all sources per Form 109
 MAINTENANCE excludes Depreciation, Insurance,
 Taxes and General Office Expense.

T O N O M I N E

MISCELLANEOUS STATEMENT FOR CALENDAR YEAR

1932

Tons Produced (Contract)	29,687	
" " (Mechanical Lds.)	59,987	
" " (Day Work)	<u>7,394.8</u>	
 Total Production - Tons		 97,068.8
 Days Mine Operated		 146
 Days Worked by Contract Miners	2,637	
" " " Conveyor Miners	3,522	
" " " Monthly Pay Men	4,275	
" " " All others	<u>6,593</u>	
 Total Days Worked		 17,027
 Tons per Contract-Miner-Shift		 11.25
" " Mechanical Loader Man-Shift		17.03
" " All Employes-Shift		5.71
 Fatal Accidents		 NONE
Non-Fatal Accidents - Total reportable (Approximate compensation above \$800.)		7
 Industrial Insurance Premiums (Net)		 \$3,194.70
Cost per Ton		.0329
Premiums to Medical Aid Fund - Co's. Propn.		493.47
Cost per Ton		.0051
 Total Cost Purchased Power		 \$5,646.57
Total KWH Power Purchased		484,400
Cost per KWH		.0116
Total rated HP all Motors connected and used intermittently		969

Power \$.0582 per ton

\$5,0380

WASHINGTON UNION COAL COMPANY

ANNUAL REPORT

1930

File 6-9

Tono, Wash., February 12, 1931.

Mr. Eugene McAuliffe, - Omaha:

I submit herewith report of operations of Washington Union Coal Company for the year 1930, as follows:

HOLDINGS: These total 6880.51 acres, divided 5985.01 acres owned in fee simple, and mineral rights only to 895.5 acres, as per Tax Agent's records. Acres of our tillable and semi-cleared lands are substantially unchanged except for small areas where tenants of farm properties have slashed and burned for pasturage. Logged off areas are estimated to be the same as reported for 1929.

Total farm leases are 16 in number, yielding a gross annual rental of approximately \$2400.00, while accruals from miscellaneous railroad rights of way yield about \$551.50 per year.

GENERAL STATEMENT: Total output for 1930 was 180,365 tons, or 55,210 tons less than for 1929; mine operated 177 days, or 35 days less than 1929. Cost per ton for the year's production was \$1.527 as compared with \$1.456 for 1929, an increase of .071 per ton due almost entirely to lessened output. The year's commercial sales were 9,727 tons as against 15,020 for 1929. Total shifts worked by Contract Miners 10,088 producing 120,305 tons, an average per Contract-Miner-Shift of 11.92 tons. Loading machines produced 49,583 tons, with an average per man-shift of 17.7 tons, while day pay employes produced 10,477 tons. Two mechanical loading units were in operation the entire year, and one "Red Devil" loader operated one month only. Production per man-day for each payroll employe was 5.77 tons.

Following is a synopsis of all accidents reported for the year:

3 Hand bruise cases
1 Ankle bruise "
2 Leg " "
2 Back " "
2 Foot " "
2 Hernia
1 Squeezed through hips

The mine generally, including traveling ways, airways and haulage roads, is in good condition and repair, with all worked out areas sealed off. All Ventilating Equipment, Hoisting and Hauling Machinery in good working order.

Development work is well in advance of the mine's requirements and extraction of coal is being prosecuted so as to obtain maximum recovery consistent with safety. During the year Company Miners drove 134 yards of Entry and 37 yards of Crosscut.

The labor turnover is very small and reduction in number of Contract Miners to meet the situation caused by installation of Conveyor Loaders and less demand for Tono Coal is kept in mind. Reduction of employes during 1930 was approximately 10% over 1929. The labor situation was generally good with no grievances to cause delay or stoppage of work.

Approximately 100% of cap pieces and 10% of ties used at the mine during the year were obtained from left-overs from former logging operations on our lands; substantially 100% of props used came from outside lands.

FIRST AID: Materials for this purpose are provided and located at various points throughout the mine most convenient to the workmen. The supply is inspected regularly by Safety Committeemen and Mine Officials and replenished as needed. Activities of First Aid and Mine

Rescue work were of fairly good average throughout the year, and while our First Aid Team obtained first place at the Inter-Company meet at Rock Springs, Wyoming, in 1930, the same team's performance at our State Meet was poor. Tono's cost for such activities was approximately \$1,000.00, including cost for time lost at the mine.

Regular monthly safety meetings of workmen and Mine Officials were held throughout the year, at which safety and accident prevention measures were freely discussed; and no doubt much good has been accomplished by such activity. One man was dismissed from the service for failure to comply with definite safety measures at the working face, and one miner discharged for loading refuse in coal.

Training in First Aid by individuals and Teams has been carried on in the usual manner by a number of our men, and opportunity is offered all to take training. During the year a large number of the men have taken this training under Mr. John G. Schoning of the Bureau of Mines Station, Seattle, who renders valuable service in this respect.

Activities amongst the ladies such as Community Club, Library and State College Extension, have maintained a usual standard during the year.

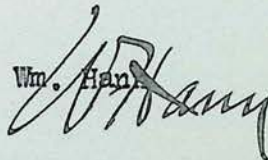
UNUSUAL EXPENDITURES: In addition to current upkeep, the following unusual expenditures were made:

Rock grading for improving haulage 1st Left Patterson Entry, cost approximately \$90.00. Prospecting 29 ft. fault 1st Left Patterson Entry, cost approximately \$240.00. Recovery of No. 1 Loader Duckbill and several pans cost \$180.00. Cost of air and escapeway right hand plane Patterson Entry cost \$65.00. Recovery of Duckbill No. 2 Loader from under rock slide cost \$56.00. Extra work grading, &c. account minor faults cost approximately \$350.00. Combating fire in Nolan

Plane area, cost approximately \$700.00; and sealing off active pillars temporarily as preventative against heating account unusual slack work cost about \$125.00. Extra timbering account working unusually bad ground cost about \$550.00. Renewal of Pit Cars and Timber Trucks about \$1450.00. New Hoisting Cables \$1285.00. Renewal and extensions of electric power wiring, switches, &c., additional major tools such as power drills, jacks, &c., \$1140.00; track rails \$85.00; new animals \$325.00; major repairs to auto truck \$226.00.

CAMP: In addition to the ordinary upkeep expense for cleaning streets, alleys, toilets and repairs to houses, lighting and pipe lines, approximately \$760.00 was expended for major items such as re-shingling of houses, renewal of floors, foundations, &c., also approximately \$425.00 for renewal of draining.

Wm. Han



T O N O M I N E

STATEMENT OF TONNAGE MINED AND SHIPPED DURING CALENDAR YEAR

1930

	<u>Lump</u>	<u>Mine Run</u>	<u>Total</u>
January	2286	17005	19291
February	656	19080	19736
March	527	19127	19654
April	319	16358	16677
May	98	10825	10923
June	165	9434	9599
July	52	7108	7160
August	109	10605	10714
September	1020	12398	13418
October	1524	13441	14965
November	1312	19028	20340
December	<u>1447</u>	<u>16441</u>	<u>17888</u>
Total	9515	170850	180365

T O N O M I N E

DISTRIBUTION OF COAL SHIPMENTS FOR THE CALENDAR YEAR

	1930					<u>TOTAL</u>
	<u>Commercial</u> <u>Lump</u>	<u>R.M.</u>	<u>O-WRR&N</u> <u>R.M.</u>	<u>Misc. &</u> <u>Employes</u> <u>R.M.</u>	<u>Boilers-</u> <u>Co. use</u> <u>R.M.</u>	
January	2286	170	16103	385	347	19291
February	656		18698	112	270	19736
March	527		18577	170	380	19654
April	319		15979	96	283	16677
May	98		10468	70	287	10923
June	165		9218	37	179	9599
July	52	42	6908	52	106	7160
August	109		10407	40	158	10714
September	1020		12177	107	114	13418
October	1524		12998	222	221	14965
November	1312		18570	266	192	20340
December	<u>1447</u>		<u>15792</u>	<u>385</u>	<u>264</u>	<u>17888</u>
	9515	212	165895	1942	2801	180365

@
 Local Employes 1081 Tons
 Outside Trucks 861 "

T O N O M I N E

STATEMENT OF COST OF COAL, PER TONS MINED AND SHIPPED, PER
FORM 89, FOR THE CALENDAR YEAR

1930

	<u>Tonnage</u>	<u>Material</u>	<u>Misc. & Labor</u>	<u>Total</u>	<u>Cost per Ton</u>
January	19291	\$3354.21	\$24667.12	\$28021.33	\$1.453
February	19736	3751.26	25558.80	29310.06	1.485
March	19654	3344.01	24905.81	28249.82	1.437
April	16677	2612.00	21974.03	24586.03	1.474
May	10923	2044.71	17010.08	19054.79	1.744
June	9599	1797.59	15335.86	17133.45	1.785
July	7160	1533.58	12731.40	14264.98	1.992
August	10714	2022.86	15955.06	17977.92	1.678
September	13418	1627.83	18170.25	19798.08	1.475
October	14965	2280.13	20476.40	22756.53	1.521
November	20340	3463.79	24731.77	28195.56	1.386
December	<u>17888</u>	<u>3468.46</u>	<u>24449.75</u>	<u>27918.21</u>	<u>1.561</u>
	180365	31300.43	245966.33	277266.76	(1.537)

T O N O M I N E

DETAIL OF COST OF COAL, PER TONS MINED AND SHIPPED, PER FORM 89, FOR CALENDAR YEAR

1930

	<u>Maintenance</u>	<u>Air Drainage & Light</u>	<u>Mining</u>	<u>Hauling</u>	<u>Weigh. & Loading</u>	<u>Devel'mt.</u>	<u>Sup'ts.</u>	<u>Depcn.</u>	<u>Depln.</u>	<u>TOTAL</u>
January	.149	.085	.716	.216	.040	.055	.100	.060	.032	1.453
February	.151	.082	.741	.212	.037	.060	.099	.071	.032	1.485
March	.155	.077	.712	.216	.037	.039	.098	.071	.032	1.437
April	.136	.069	.740	.228	.037	.034	.114	.084	.032	1.474
May	.210	.125	.750	.250	.043	.030	.176	.128	.032	1.744
June	.198	.147	.724	.263	.046	.029	.200	.146	.032	1.785
July	.263	.147	.722	.284	.049	.030	.270	.195	.032	1.992
August	.202	.090	.717	.250	.041	.037	.178	.131	.032	1.678
September	.116	.080	.682	.230	.034	.055	.142	.104	.032	1.475
October	.143	.075	.713	.233	.036	.066	.129	.094	.032	1.521
November	.138	.048	.716	.214	.031	.042	.096	.069	.032	1.386
December	.272	.062	.723	.234	.034	.034	.110	.060	.032	1.561

T O N O M I N E

STATEMENT OF YARDAGE DRIVEN DURING CALENDAR YEAR

1930

	<u>Entry</u>	<u>Airway</u>	<u>Room</u>	<u>Total</u>	<u>Cost</u>
January	170	102	12	284	\$742.19
February	205	126	16	347	820.92
March	154	89	20	263	593.83
April	139	130	12	281	476.65
May	43	81	4	128	327.25
June	43	50	8	101	252.10
July	27	57		84	202.57
August	62	104	17	183	390.19
September	86	186	12	284	730.36
October	56	184	20	260	656.11
November	128	180	16	324	859.57
December	<u>80</u>	<u>150</u>	<u>20</u>	<u>250</u>	<u>612.23</u>
Total	1193	1439	157	2789	6663.97

(Includes 171 yards driven by day pay labor)

T O N O M I N E
STATEMENT OF EXPENDITURES ACCOUNT "CONSTRUCTION"
FOR THE CALENDAR YEAR
1930

<u>Work Order</u>	<u>Item</u>	<u>Amount</u>
142	Inside Flush Toilets	\$ 8085.25
143	Play Shed at School	488.41
144	Addition to Machine Shop	509.25
145	Main Electric Hoist	14202.00
146	Coal Bin & Trestle	597.83
147	Misc. Electric Motors	3017.82
149	Pump & Motor for Mine Drainage	495.54
150	Pit Car Loader	<u>822.23</u>
		28218.33

T O N O M I N E

STATEMENT OF REAL ESTATE DEPARTMENT RECEIPTS AND
 MAINTENANCE EXPENSE FOR THE CALENDAR YEAR

1930

	<u>Receipts</u>	<u>Maintenance</u>	<u>Difference</u>
January	\$ 1541.00	\$ 741.05	
February	1688.75	757.12	
March	1605.65	782.20	
April	1272.31	588.63	
May	1069.00	689.80	
June	1082.50	630.93	
July	1887.75	372.57	
August	963.71	268.89	
September	944.63	603.41	
October	1005.50	935.70	
November	1273.25	241.82	
December	<u>1183.00</u>	<u>1249.60</u>	
	15517.05	7861.72	<u>7655.33</u>

RECEIPTS include all sources per Form 109.
 MAINTENANCE excludes Depreciation, Insurance,
 Taxes and General Office Expense.

T O N O M I N E

STATEMENT OF WATER PLANT RECEIPTS AND MAINTENANCE

EXPENSE FOR THE CALENDAR YEAR

1930

	<u>Receipts</u>	<u>Maintenance</u>	<u>Difference</u>
January	\$ 106.00	\$ 192.61	
February	104.00	258.53	
March	102.16	185.87	
April	100.57	218.50	
May	100.00	199.82	
June	100.00	197.08	
July	96.00	206.77	
August	96.48	193.27	
September	94.50	193.05	
October	94.00	187.86	
November	94.00	199.38	
December	<u>94.00</u>	<u>215.45</u>	
	1181.71	2448.19	<u>1266.48</u>

RECEIPTS include all sources per Form 109
 MAINTENANCE excludes Depreciation, Insurance
 Taxes and General Office Expense

T O N O M I N E

MISCELLANEOUS STATEMENT FOR THE CALENDAR YEAR

1930

Tons Produced (Contract)	120,305	
" " (Conveyors)	49,583	
" " (Day Work)	<u>10,477</u>	
 Total Production - Tons		 180,365
 Days Mine Operated		 177
 Days Worked by Contract Miners		 10,088
" " Conveyor Miners		2,902
" " All Others		18,343
 Tons per Contract-Miner-Shift		 11.92
" " Conveyor-Miner-Shift		17.7
" " All-Employes-Shift		5.77
 Kegs of Powder Used (Contract)		 3,769
Tons Coal per Keg (Contract)		31.93
 Lbs. Permissible Explosives (Conveyors)		 20,275
Tons Coal per Lb. (Conveyors)		2.45
 Fatal Accidents		 NONE
Non-Fatal Accidents - Total reported (Approximate Compensation \$900.00)		13
 Industrial Insurance Premiums (Net)		 \$8,363.30
Cost per Ton		.046
Premiums to Medical Aid Fund-Co's. Propn.		980.79
Cost per Ton		.005
 Total KWH Power Purchased		 476,320
Cost per KWH		.0152
Total Rated HP all Motors connected and used intermittently		883

ANNUAL REPORT

WASHINGTON UNION COAL COMPANY

1929

Tono, Wash., February 12, 1930.

Mr. Eugene McAuliffe, - Omaha.

I submit herewith report of operations of the Washington Union Coal Company for the year 1929, as follows:

HOLDINGS: These total 6880.51 acres, divided 5985.01 acres owned in fee simple and mineral rights only to 895.5 acres, as per Tax Agent's records. Acreages of our tillable and semi-cleared lands are substantially unchanged, while logged off areas are estimated to have increased 160 acres over 1928 due to the removal of timber.

Total farm leases are 15 in number, yielding a gross annual rental of approximately \$2460.00, while accruals from miscellaneous railroad rights of way yield about \$530.00 per year.

GENERAL STATEMENT: Total output for 1929 was 235,575 tons, or 25,311 tons less than for 1928; mine operated 212 days, or 17.5 days less than 1928; average daily production was 1111.2 tons as compared with 1136.758 for 1928. Cost per ton for the year's production was \$1.456 compared with \$1.570 for 1928, much of the decrease being due to a revised Wage Scale effective November 1, 1928. The year's commercial sales were 15,020 tons as against 11,497 for 1928. Total days worked by Contract Miners 17,704 produced 223,469 tons, an average per Contract-Miner-Shift of 12.62 tons. Day pay employes produced 8,157 tons and the Conveyor Loaders 3,949 tons with an average per man-shift of 13.49 tons. Only one of the mechanical loading units was in operation during 1929, and this for about six weeks.

Following is a synopsis of all accidents reported for the year:

Miner: Bruised hand while taking down coal at his working face.

Miner: Cut eye by flying coal from pick; vary minor nature.

Miner: Broken rib; bumped by car which moved from face by falling top coal being taken down by his partner.

Rope Rider: Sprained foot while he was in act of stepping on to moving trip.

Miner: Bruised foot by lump coal rolling on it at working face; very minor nature.

Timberman: Punctured foot by stepping on nail; very minor nature.

Rock Miner: Broken toe by lump of rock breaking off from chunk being pried down with bar.

The mine generally is in good condition with all worked out areas sealed off and Main Haulage Roads in good repair; also Ventilation, Equipment, Hoisting and Hauling machinery in good working order; airways and travelingways in good shape.

Development work is well in advance of the mine's requirements and extraction of coal is being prosecuted so as to obtain maximum recovery consistent with safety. During the year Company Miners drove 675 feet of Entry and 145 ft. of Entry Crosscut.

The labor turnover is very small and reduction in number of Contract Miners to meet the situation caused by installation of Conveyor Loaders and less demand for Tono Coal, is under way. The reduction for 1929 was approximately 18%. The labor situation was generally good, with no greivances to cause delay or stoppage of work.

Approximately 100% of cap pieces and 15% of ties used at the mine during the year were obtained from left-overs from former logging operations on our lands; while but approximately 12% of props were taken from lands owned by us, and 88% from outside lands.

FIRST AID: Materials for this purpose are provided and located at various stations throughout the mine most convenient to workmen. The supply is inspected regularly at frequent intervals by Safety Committeemen and Mine Officials and replenished as needed. Activities of First Aid and Mine Rescue work were good throughout the year, notwithstanding the comparative poor showing of our Team at the Inter-Company meet at Rock Springs, Wyoming, in 1929. Tono's cost in this participation was approximately \$1,000.00, including cost for time lost at mine.

Regular monthly safety meetings of workmen and Mine Officials were held throughout the year, at which safety and accident prevention measures were freely discussed; and no doubt much good has been accomplished by such activity. Two men were dismissed from the service for failure to comply with definite safety measures at the working face.

Training in First Aid by individuals and Teams has been carried on in the usual manner by a number of our men, and opportunity is offered all to take training. Mr. John G. Schoning of the Bureau of Mines Station at Seattle has rendered valuable service in this connection.

The Ladies' activities such as Community Club, Library and Home Demonstration, have maintained their usual standard during the year.

UNUSUAL EXPENDITURES: In addition to current upkeep, the following unusual expenditures were:

Grading for haulage road in Patterson Entry District for development above 12 ft. upthrow fault, cost \$950.00. Prospecting in faults \$480.00; prospect drilling \$230.00; extra timbering account working bad ground \$700.00; renewal of pit cars \$1800.00; renewal of timber trucks \$80.00; pit car wheels purchased \$1522.00; slope rollers \$65.00; hoisting cables \$585.00; new animals purchased \$802.50; labor and parts for trip lamps \$560.00; renewal and extension of electric wiring, &c. \$1525.00.

CAMP: In addition to the ordinary upkeep expense for cleaning streets, alleys, toilets and repairs to houses, lighting and pipe lines, approximately \$830.00 was expended for major items such as reshingling of houses and outbuildings, renewal of floors, foundations, &c.

Wm. Hann

W. Hann

T O N O M I N E

STATEMENT OF TONNAGE MINED AND SHIPPED DURING CALENDAR YEAR

1929

	<u>Lump</u>	<u>Mine Run</u>	<u>Total</u>
January	2187	22973	25160
February	2346	21694	24040
March	451	27165	27626
April	764	17769	18533
May	110	19380	19490
June	31	17283	17314
July	40	11704	11744
August	95	11623	11718
September	636	11191	11827
October	1481	18862	20343
November	1353	23292	24645
December	<u>1376</u>	<u>21759</u>	<u>23135</u>
Total	10870	224695	235575

T O N O M I N E

DISTRIBUTION OF COAL SHIPMENTS FOR THE CALENDAR YEAR

1929

	<u>Commercial</u> <u>Lump</u>	<u>R.M.</u>	<u>O-WRR&N</u> <u>R.M.</u>	<u>Misc. &</u> <u>Employes</u> <u>R.M.</u>	<u>Boilers-</u> <u>Co. Use</u> <u>R.M.</u>	<u>TOTAL</u>
January	2187	58	22263	287	365	25160
February	2346	1503	19563	239	389	24040
March	451	120	26473	157	425	27626
April	764		17238	198	333	18533
May	110		19048	88	244	19490
June	31		17068	74	141	17314
July	40		11529	41	134	11744
August	95		11376	44	203	11718
September	636		10994	86	111	11827
October	1481		18417	194	251	20343
November	1353	1831	20847	263	351	24645
December	<u>1376</u>	<u>646</u>	<u>20498</u>	<u>243</u>	<u>372</u>	<u>23135</u>
Total	10870	4158	215314	1914	3319	235575

T O N O M I N E

STATEMENT OF COST OF COAL, PER TONS MINED AND SHIPPED, PER
FORM 89, FOR THE CALENDAR YEAR

1929

	<u>Tonnage</u>	<u>Material</u>	<u>Misc. & Labor</u>	<u>Total</u>	<u>Cost per Ton</u>
January	25160	\$ 3737.71	\$ 32097.79	\$ 35835.50	\$1.424
February	24040	2698.21	31198.55	33896.76	1.410
March	27626	3306.22	33985.62	37291.84	1.350
April	18533	2692.13	24697.47	27389.60	1.478
May	19490	2655.10	25999.31	28654.41	1.470
June	17314	2878.12	24113.36	26991.48	1.559
July	11744	1788.53	17706.71	19495.24	1.660
August	11718	1950.82	17375.25	19326.07	1.649
September	11827	1565.80	17412.12	18977.92	1.605
October	20343	2997.47	26093.87	29091.34	1.430
November	24645	2736.76	30527.68	33264.44	1.350
December	<u>23135</u>	<u>3891.38</u>	<u>28776.14</u>	<u>32667.52</u>	1.412
Total	235575	32898.25	309983.87	342882.12	(\$1.456)

T O N O M I N E

DETAIL OF COST OF COAL, PER TONS MINED AND SHIPPED, PER FORM 89, FOR CALENDAR YEAR

1929

	<u>Maintenance</u>	<u>Air, Drainage & Light</u>	<u>Mining</u>	<u>Hauling</u>	<u>Weigh & Loading</u>	<u>Developm't.</u>	<u>Supt's.</u>	<u>Depcn.</u>	<u>Depln.</u>	<u>TOTAL</u>
January	.159	.043	.782	.230	.033	.027	.079	.039	.032	1.424
February	.121	.057	.763	.231	.034	.050	.081	.041	.032	1.410
March	.102	.050	.764	.223	.032	.038	.070	.039	.032	1.350
April	.140	.060	.780	.240	.037	.022	.103	.064	.032	1.478
May	.161	.055	.788	.216	.034	.024	.099	.061	.032	1.470
June	.206	.085	.797	.210	.035	.016	.109	.069	.032	1.559
July	.150	.124	.773	.245	.042	.028	.164	.102	.032	1.660
August	.172	.087	.733	.242	.040	.079	.162	.102	.032	1.649
September	.156	.091	.734	.230	.043	.057	.160	.102	.032	1.605
October	.138	.058	.767	.204	.033	.044	.095	.059	.032	1.430
November	.094	.056	.762	.209	.033	.038	.078	.048	.032	1.350
December	.140	.076	.762	.213	.034	.035	.083	.037	.032	1.412

T O N O M I N E

STATEMENT OF YARDAGE DRIVEN DURING THE CALENDAR YEAR

1929

	<u>Entry</u>	<u>Airway</u>	<u>Room</u>	<u>Total</u>	<u>Cost</u>
January	46	57	13	116	306.79
February	94	89	20	203	563.02
March	94	113	4	211	592.39
April	51	57	4	112	301.61
May	57	104	20	181	474.49
June	48	59	4	111	282.61
July	17	36	4	57	138.63
August	23	52	4	79	188.14
September	13	34	8	55	129.01
October	29	71	20	120	288.27
November	67	137	4	208	553.62
December	<u>162</u>	<u>129</u>	<u>9</u>	<u>300</u>	<u>788.11</u>
Total	701	938	114	1753	\$4606.69

T O N O M I N E
STATEMENT OF EXPENDITURES ACCOUNT "CONSTRUCTION"
FOR THE CALENDAR YEAR
1929

<u>Work Order</u>	<u>Item</u>	<u>Amount</u>
135	New Stable	\$ 4758.65
136	100 Single Garages	9098.67
137	Additions to Tenements	2836.17
139	Addition to School Plant	285.50
140	Underground Coal Loading Machinery	13612.20
141	Inside Flush Toilets	<u>1610.28</u>
		32201.47

T O N O M I N E

STATEMENT OF REAL ESTATE DEPARTMENT RECEIPTS AND
MAINTENANCE EXPENSE FOR THE CALENDAR YEAR

1929

	<u>Receipts</u>	<u>Maintenance</u>	<u>Difference</u>
January	\$ 2757.29	\$ 607.29	
February	1096.15	624.52	
March	1041.99	958.20	
April	1028.00	556.50	
May	996.00	776.89	
June	1061.24	973.17	
July	1988.50	450.12	
August	1190.56	880.79	
September	1093.29	948.24	
October	1228.53	1117.19	
November	1387.28	1060.66	
December	<u>1157.32</u>	<u>939.93</u>	
	15926.15	9893.50	<u>6032.65</u>

RECEIPTS include all sources per Form 109.
MAINTENANCE excludes Depreciation, Insurance
Taxes and General Office Expense.

T O N O M I N E

STATEMENT OF WATER PLANT RECEIPTS AND MAINTENANCE

EXPENSE FOR THE CALENDAR YEAR

1929

	<u>Receipts</u>	<u>Maintenance</u>	<u>Difference</u>
January	\$ 117.32	\$ 196.63	
February	118.00	190.50	
March	116.00	222.26	
April	115.00	192.80	
May	113.00	158.14	
June	112.00	236.13	
July	113.00	190.02	
August	113.78	298.48	
September	111.00	188.28	
October	112.00	185.35	
November	111.00	192.16	
December	<u>110.00</u>	<u>191.52</u>	<u> </u>
	1362.10	2442.27	1080.17

RECEIPTS include all sources per Form 109
 MAINTENANCE excludes Depreciation, Insurance,
 Taxes and General Office Expense.

T O N O M I N E

MISCELLANEOUS STATEMENT FOR THE CALENDAR YEAR

1929

Tons Produced (Contract)	223,469	
" " (Conveyors)	3,949	
" " (Day Work)	<u>8,157</u>	
 Total Production		 235,575
 Days Mine Operated		 212
 Days Worked by Contract Miners		 17,704
" " " Conveyor Miners		293
" " " All Employees		39,151
 Tons per Contract-Miner-Shift		 12.62
" " Conveyor-Miner-Shift		13.49
" " All-Employees-Shift		6.02
 Kegs of Powder Used (Contract)		 4,757
Tons Coal per Keg (Contract)		47
 Fatal Accidents		 NONE
Non-Fatal Accidents - total reported		7
 Industrial Insurance Premiums Paid		 \$8,767.17
Cost per Ton		.0325
 Premiums to Medical Aid Fund		 \$1,551.10
Cost per Ton		.0066

200-41

WASHINGTON UNION COAL COMPANY

ANNUAL REPORT

1928

File 6-9

Tono, Wash., Feby. 4, 1929.

Mr. Eugene McAuliffe - Omaha.

I submit herewith report of operations of the Washington Union Coal Company for the year 1928, as follows:

HOLDINGS: These total 6880.51 acres, divided 5985.01 acres owned in fee simple and mineral rights only to 895.5, as per Tax Agent's records. Acreages of our tillable and semi-cleared lands are substantially unchanged, while logged off areas have increased some over 1927 due to removal of timber, estimated at 200 acres.

Total farm leases are 14 in number, yielding a gross annual rental of approximately \$2400.00, while accruals from miscellaneous railroad rights-of-way yield about \$530.00 per year.

GENERAL STATEMENT: Total output for 1928 was 260,886 tons, or 23,553 tons in excess of 1927; mine operated 229½ days, or 6½ days more than 1927; average daily production was 1136.758 tons, as compared with 1154.18 for 1927. Cost per ton for the year's production was \$1.570 compared with \$1.610 for 1927, much of the decrease being due to a revised wage scale effective November, 1928. The year's commercial sales were 11,497 tons as against 13,072 tons for 1927. Total days worked by Contract Miners 21,113; tons produced by Contract Miners 255,917, with an average per Contract-Miner-Shift of 12.121 tons. Day pay employes produced 4,969 tons.

Following is a synopsis of accidents for the year:

Miner, slightly bruised foot by fall of coal while trimming.
Miner, bruised finger by fall of coal while trimming.
Miner, bruised arm by fall of coal while trimming
Miner, wrenches back lifting coal

Woodsman, cut leg with axe while preparing timbers
Miner, bruised thigh by fall while carrying prop
Woodsman, jagged leg on drag saw while preparing timbers
Miner, injured knee - struck by falling coal
Miner, injured groin - hit by shovel handle
Miner, bruised side - falling coal
Miner, cut thumb with axe while making wedge
Miner, bruised back - hit by falling prop
Driver, sprained ankle
Carpenter, bruised arms with winch handle
Driver, collar bone broken - car jumped track and rear end
swung him against rib.

Of the above enumerated accidents, there are but three that could be considered major, the remainder being of minor importance.

The mine generally is in good condition with all worked out areas definitely sealed off and Main Haulage roads in good repair; also Ventilation, Equipment, Hoisting and Haulage Machinery in good working order; airways and travelingways in good shape.

Development work is well in advance of the mine's requirements and extraction of coal has been prosecuted so as to obtain maximum recovery consistent with safety.

The labor turnover, as usual, has been practically nil, and the labor situation generally good with no grievances to cause delay or stoppage of work. A new Agreement was effected as of November 1st, 1928, and running to October 31st, 1932.

Approximately 100% of caps and 40% of ties used at the mine during the year were obtained from left-overs from former logging operations on our lands; while but approximately 10% of props were taken from lands owned by us, and 90% from lands not owned by us.

FIRST AID: Materials for this purpose are provided and located at various stations throughout the mine most convenient to workmen. The supply is inspected regularly at frequent intervals by Safety Committeemen and Mine Officials and replenished as needed. Activities in First Aid and

Mine Rescue work were good throughout the year. A combination team took part in The Union Pacific Coal Company Meet at Rock Springs, Wyoming, winning first place out of twelve teams competing. Tono's cost in this participation was approximately \$1,000. including time lost at mine.

Regular monthly safety meetings of workmen and Mine Officials were held through the year at which safety and accident prevention measures were freely discussed, and no doubt much good has been accomplished by such discussions. Three men were dismissed from the service for failure to comply with definite safety measures at the working face.

Practicing by First Aid Teams has been carried on in the usual manner by a number of our men, and opportunity is afforded all to take training under Mr. John G. Schoning of the Bureau of Mines Station, Seattle, who has rendered valuable service in this work.

The Ladies First Aid Association, the Community Club, Library and Home Demonstration works have been active in all constructive affairs of the community.

UNUSUAL EXPENDITURES: In addition to current upkeep, the following unusual expenditures were:

Regrade of main haulage road in Patterson Entry District costing \$850.00.

Changing location of Main Electric Hoist, \$250.00; changing location of Nolan Entry Hoist \$110.00, both hill workings, No. 1 North Slope.

Prospecting in faults \$560.00; prospect drilling \$730.00; extra timbering account working unusually bad ground \$1200.00.

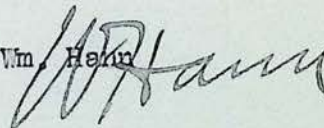
Renewal of Pit cars \$7590.00 and of Timber Trucks \$150.00.

Pit Car Wheels purchased \$1660.00; slope rollers \$160.00; hoist

cables \$1295.00; Track Rails purchased \$1324.00; new animals purchased \$549.00; renewal of Boiler Water and Domestic Water pipe lines \$6000.00; labor and parts for trip lamps \$597.00; renewal of electric wiring, &c. \$725.00. Expenditures under "Construction" will be found elsewhere in this report.

CAMP: In addition to the ordinary upkeep expense for cleaning streets, alleys, toilets and repairs to houses, lighting and pipe lines, approximately \$1520.00 was expended for major items such as re-shingling of houses and outbuildings, renewals of floors, foundations, &c. Also, some 4000 ft. of sewer tiling has been laid around the town for drainage, at a cost of \$1040.00.

Wm. Harris



T O N O M I N E

STATEMENT OF TONNAGE SHIPPED DURING THE CALENDAR YEAR

1928

	<u>Lump</u>	<u>Mine Run</u>	<u>Total</u>
January	2391	25150	27541
February	1154	21650	22804
March	796	23418	24214
April	602	19012	19614
May	57	22414	22471
June	41	14877	14918
July	88	18541	18629
August	205	16115	16320
September	982	16051	17033
October	1865	26172	28037
November	1205	23040	24245
December	<u>1950</u>	<u>23110</u>	<u>25060</u>
	11336	249550	260886

T O N O M I N E

DISTRIBUTION OF COAL SHIPMENTS FOR THE CALENDAR YEAR

1928

	Commercial		O-WRR&N	Misc. & Employes	Boilers- Co. use	TOTAL
	<u>Lump</u>	<u>R.M.</u>	<u>R.M.</u>	<u>R.M.</u>	<u>R.M.</u>	
January	2391		24634	171	345	27541
February	1154		21127	160	363	22804
March	796		22962	150	306	24214
April	602		18634	119	259	19614
May	57		22091	80	243	22471
June	41	59	14572	52	194	14918
July	88		18354	37	150	18629
August	205	58	15758	72	227	16320
September	982	44	15696	90	221	17033
October	1865		25661	144	367	28037
November	1205		22622	158	260	24245
December	<u>1950</u>		<u>22538</u>	<u>267</u>	<u>305</u>	<u>25060</u>
Total	11336	161	244649	1500	3240	260886

T O N O M I N E

STATEMENT OF COST OF COAL, PER TONS MINED AND SHIPPED,

PER FORM 89, FOR THE CALENDAR YEAR

1928

	<u>Tonnage</u>	<u>Material</u>	<u>Misc. & Labor</u>	<u>Total</u>	<u>Cost per Ton</u>
January	27541	\$2613.61	\$38311.49	\$40925.10	\$1.486
February	22804	2840.62	34130.39	36971.01	1.621
March	24214	2961.64	35302.00	38263.64	1.580
April	19614	2648.67	29752.55	32401.22	1.652
May	22471	1905.60	33573.77	35479.37	1.579
June	14918	2554.75	23545.59	26100.34	1.750
July	18629	943.81	28148.65	29092.46	1.562
August	16320	2258.93	26704.13	28963.06	1.774
September	17033	2314.35	27884.08	30198.43	1.773
October	28037	3110.15	39763.13	42873.28	1.529
November	24245	3485.10	30858.23	34343.33	1.417
December	<u>25060</u>	<u>3035.91</u>	<u>31098.65</u>	<u>34134.56</u>	1.362
Total	260886	30673.14	379072.66	409745.80	(1.570)

T O N O M I N E

DETAIL OF COST OF COAL, PER TONS SOLD, PER FORM 89, FOR CALENDAR YEAR

1928

	<u>Maintenance</u>	<u>Air, Drainage & Light</u>	<u>Mining</u>	<u>Hauling</u>	<u>Weigh & Loading</u>	<u>Develm't.</u>	<u>Sup'ts.</u>	<u>Depen.</u>	<u>Repln.</u>	<u>TOTAL</u>
January	.126	.049	.905	.202	.030	.035	.072	.035	.032	1.486
February	.153	.063	.937	.221	.034	.054	.084	.043	.032	1.621
March	.147	.060	.922	.223	.032	.046	.078	.040	.032	1.580
April	.156	.077	.912	.230	.035	.062	.098	.050	.032	1.652
May	.110	.077	.904	.227	.021	.069	.086	.043	.032	1.579
June	.176	.095	.919	.247	.037	.056	.123	.065	.032	1.750
July	.099	.055	.896	.226	.038	.061	.102	.053	.032	1.562
August	.178	.080	.935	.263	.040	.066	.120	.060	.032	1.774
September	.198	.065	.928	.264	.039	.074	.115	.058	.032	1.773
October	.134	.036	.924	.224	.034	.037	.073	.035	.032	1.529
November	.160	.039	.774	.232	.034	.025	.080	.041	.032	1.417
December	.131	.048	.755	.214	.032	.034	.077	.039	.032	1.362

T O N O M I N E

STATEMENT OF YARDAGE DRIVEN DURING THE CALENDAR YEAR

1928

	<u>Entry</u>	<u>Airway</u>	<u>Room</u>	<u>Total</u>	<u>Cost</u>
January	110	176	32	318	\$ 943.64
February	215	195	-	410	1218.12
March	171	180	12	363	1106.98
April	146	220	8	374	1099.90
May	245	181	16	442	1339.87
June	98	107	28	233	700.44
July	173	193	16	382	1138.13
August	184	160	16	360	1072.41
September	131	203	12	346	1018.64
October	137	146	28	311	955.88
November	39	68	16	123	299.49
December	<u>34</u>	<u>78</u>	<u>-</u>	<u>112</u>	<u>261.11</u>
Total	1683	1907	184	3774	11154.61

T O N O M I N E
 STATEMENT OF EXPENDITURES ACCOUNT "CONSTRUCTION"
 FOR THE CALENDAR YEAR
 1928

<u>Item</u>	<u>Amount</u>
Overhead Power Line (Water Works)	\$ 1,192.22
Chlorine Cylinder	20.00
30,000 Gal. Tank	1,531.20
Two 15-HP Electric Hoists	3,837.88
Surface Transmission Line	468.45
Six Inside Toilets at Schoolhouse	1,146.67
Electric Motor for Machine and Blacksmith Shops	272.93
Air Compressor & Motor (Store)	248.43
Recording Demand Meter	169.76
Additions to Tenements 9, 23 & 67	499.27

T O N O M I N E

STATEMENT OF REAL ESTATE DEPARTMENT RECEIPTS AND
 MAINTENANCE EXPENSE FOR THE CALENDAR YEAR
 1928

	<u>Receipts</u>	<u>Maintenance</u>	<u>Difference</u>
January	\$ 2711.91	\$ 424.75	
February	987.49	579.75	
March	1058.20	539.86	
April	1008.12	429.52	
May	1006.00	463.54	
June	991.78	964.44	
July	1972.24	815.37	
August	1023.52	1526.43	
September	1025.40	1567.41	
October	1306.35	1427.07	
November	1061.24	1107.33	
December	<u>1023.17</u>	<u>635.57</u>	<u> </u>
	15175.42	10481.04	4694.38

RECEIPTS include all sources per Form 109
 MAINTENANCE EXCLUDES Depreciation, Insurance
 Taxes and General Office Expense.

T O N O M I N E
 STATEMENT OF WATER PLANT RECEIPTS AND MAINTENANCE
 EXPENSE FOR THE CALENDAR YEAR
 1928

	<u>Receipts</u>	<u>Maintenance</u>	<u>Difference</u>
January	\$ 111.00	\$ 249.71	
February	110.50	261.61	
March	112.00	246.03	
April	113.50	248.87	
May	114.00	1637.93	
June	111.43	742.98	
July	111.00	719.72	
August	113.00	698.29	
September	114.00	692.18	
October	116.00	699.43	
November	117.00	535.38	
December	<u>117.74</u>	<u>534.80</u>	
	1361.17	7266.93	5905.76

RECEIPTS include all sources per Form 109
 MAINTENANCE excludes Depreciation, Insurance,
 Taxes and General Office Expense

T O N O M I N E

MISCELLANEOUS STATEMENT FOR CALENDAR YEAR

1928

Total Tons Produced	260,886
Tons Produced by Day Pay Employes	(4,969)
Days Mine Operated	229½
Days Worked by Contract Miners	21,113
Days Worked by All Others	20,731
Says Worked by All Employes	41,844
Tons per Contract Miner-Shift	12.35
Tons per All Others-Shift	12.1
Tons per All Employes-Shift	6.23
Kegs of Powder Used (25-lb)	6,243
Tons Coal per Keg of Powder	42
Fatal Accidents	None
Non-Fatal Accidents	
Minor	12
Major	3
Industrial Insurance Premiums Paid	\$19,987.12
Cost per Ton	.0766
Total Payments to Medical Aid Fund	3,328.60
Cost per Ton	.0127

Note: Payments to Medical Aid Fund are divided equally between Employer and Employee; hence this cost per ton to Employer is .00635

200-41

WASHINGTON UNION COAL COMPANY

ANNUAL REPORT

1927

File 6-9

Tono, Wash., February 1, 1928.

Mr. Eugene McAuliffe, President.
Washington Union Coal Company.
Omaha, Nebraska.

Dear Sir:

I submit herewith report of operations of the Washington Union Coal Company for the year 1927, as follows:

HOLDINGS: These total 6880.51 acres, divided 5985.01 acres owned in fee simple and mineral rights only to 895.5 acres, as per Tax Agent's records. Amounts of our tillable and semi-cleared lands are substantially unchanged, while logged off areas have increased some over 1926 due to removal of timber, estimated at 200 acres.

Total farm leases are 16 in number, yielding a gross annual rental of approximately \$2400.00, while accruals from miscellaneous railroad right-of-ways yield about \$530.00 per year.

GENERAL STATEMENT: Total output for 1927 was 257,333 tons, or 7,160 tons in excess of 1926; mine operated 223 days, or 11 days more than 1926; average daily production was 1,154.18 tons as compared with 1,180.29 in 1926. Cost per ton for the year's production, per Form 89, was \$1.610, compared with \$1.566 for 1926. The year's Commercial Sales were 13,072 as against 9,650 for 1926. Total days worked by Contract Miners 19,484; tons produced by Contract Miners 248,250, with an average per Contract Miner-Shift of 12.73 tons. Day pay miners produced 9,083 tons.

Following is a synopsis of accidents for the year:

Miner, slightly bruised back by fall of coal.

Miner, bruised back of hand while shoveling.

Miner, slightly sprained by back while lifting car.

Miner, head cut and buised by falling prop.

Miner, head, hips and back slightly bruised by falling coal

Miner, injured eye by flying coal from pick.

Miner, slightly sprained back from lifting coal.

Miner, head and face cut, struck by falling prop

Miner, elbow bruised.

Trackman, Thumb cut by axe.

Trackman, Sprained by while lifting

Trackman, Finger cut and infected.

Miner, Eye bruised by flying coal from pick.

Miner, - Jack Larson - killed by coal falling from face on back
of head.

Woodsman, Broken finger, by bruising it between props.

On the whole, one fatal, one semi-major and the balance of minor
importance.

Condition of the mine generally is good; stoppings sealing off
worked-out and fire areas and O. K. Haulage roads, airways and travel-
ways good; ventilation machinery and quantity of air coursed in
separate splits; also development work up to the needs of the mine.
Careful attention has been given to the extraction of pillars to
effect maximum recovery consistent with safety.

The labor situation throughout the year has been good; no
grievances to delay the mine, and labor turnover, as usual, practically
nil.

Approximately 90% of the caps, ties, &c. used at the mine during the year were obtained from left-overs from former logging operations and 10% from lands now owned by us; while but approximately 15% of props were taken from our lands and 85% from lands not owned by us.

FIRST AID: Materials for this purpose are provided and located at various stations throughout the mine most convenient to workmen. The supply is inspected frequently by Safety Committeemen and Mine Officials and replenished as needed. Activities in Mine Rescue and First Aid work were good throughout the year. A combination team took part in The Union Pacific Coal Company Meet at Rock Springs, Wyoming, and acquitted themselves with credit. The cost of this participation was approximately \$750.00.

Regular monthly safety meetings of workmen and Mine Officials were held through the year at which safety and accident prevention measures were discussed freely and which no doubt has been of much benefit.

Practicing by First Aid Teams has been carried on regularly by a number of our men, and opportunity is afforded all to take the training. Mr. John G. Schoning of the Bureau of Mines Station, University Campus, Seattle, has rendered efficient service in training First Aid and Mine Rescue Teams; also in teaching classes in said work. The Ladies First Aid Association has been active in such work, as well as other constructive community affairs.

UNUSUAL EXPENDITURES: In addition to the current upkeep, the following unusual expenditures were:

\$1600.00 for extending No. 2 North Slope track including rails and bed.

650.00 for room rails

150.00 for constructing one undercast.

1800.00 for prospecting seams in faults, &c.

1400.00 for cleaning out and enlarging airways.

650.00 for new double track partings, with timber.

700.00 for making track clearances.

800.00 for extra timbering account working unusual bad ground.

3300.00 for repairs and renewals to mine cars.

215.00 for extensions and renewals of slope rollers.

2015.00 for hoisting cables.

270.00 for renewing electric wiring, &c.

214.00 was expended for trip lamps.

275.00 was expended for two horses and one mule

374.00 was expended in overhauling Garford Truck.

42.00 for Bookcase for Women's Club House.

A total of \$11,858.63 was expended under "Construction", as per detail elsewhere in this report.

CAMP: In addition to the ordinary upkeep expense for the cleaning of streets, alleys, toilets and repairs to houses and pipe lines,

1050.00 was expended for re-shingling and re-roofing,
325.00 was expended for renewal of foundations, and
300.00 was expended for renewal of floors.

Wm. Ham
Wm. Ham

T O N O M I N E

STATEMENT OF TONNAGE SHIPPED DURING THE CALENDAR YEAR

1927

	<u>Lump</u>	<u>Mine Run</u>	<u>Total</u>
January	1483	19449	20932
February	1200	19371	20571
March	1009	25766	26775
April	687	20539	21226
May	139	22107	22246
June	114	20143	20257
July	80	10013	10093
August	84	15329	15413
September	1192	18086	19278
October	1450	22383	23833
November	1637	25559	27196
December	<u>2547</u>	<u>26966</u>	<u>29513</u>
Total	11622	245711	257333

TONO MINE

DISTRIBUTION OF COAL SHIPMENTS FOR THE CALENDAR YEAR

1 9 2 7

	Commercial <u>Lump</u> <u>R.M.</u>	O-WRR&N <u>R.M.</u>	Misc. & Employes <u>R.M.</u>	Boilers- Co. use <u>R.M.</u>	<u>TOTAL</u>
January	1483	18950	174	325	20932
February	1200	18874	143	354	20571
March	1009	25221	162	383	26775
April	687	20137	110	292	21226
May	139	21666	89	352	22246
June	114	19835	50	258	20257
July	80	9835	36	142	10093
August	84	15106	32	191	15413
September	1192	17665	118	303	19278
October	1450	21954	130	299	23833
November	1637	25119	167	273	27196
December	<u>2547</u>	<u>26265</u>	<u>238</u>	<u>463</u>	<u>29513</u>
Total	11622	240627	1449	3635	257333

T O N O M I N E

STATEMENT OF COST OF COAL, PER TONS MINED AND SHIPPED, PER

FORM 89, FOR THE CALENDAR YEAR

1 9 2 7

	<u>Tonnage</u>	<u>Material</u>	<u>Misc. & Labor</u>	<u>Total</u>	<u>Cost per Ton</u>
January	20932	\$ 2342.59	\$ 31479.69	\$ 33822.28	\$1.616
February	20571	2466.98	30575.55	33042.53	1.606
March	26775	3583.19	37615.45	41198.64	1.539
April	21226	2470.79	32175.34	34646.13	1.632
May	22246	4123.77	33373.57	37497.34	1.686
June	20257	3365.29	31336.53	34701.82	1.713
July	10093	1765.65	17675.94	19441.59	1.926
August	15413	1917.59	23783.04	25700.63	1.667
September	19278	2879.63	28837.11	31716.74	1.645
October	23833	2291.76	34698.88	36990.64	1.552
November	27196	3140.26	37861.21	41001.47	1.508
December	<u>29513</u>	<u>3081.90</u>	<u>41557.60</u>	<u>44639.50</u>	<u>1.513</u>
Total	257333	33429.40	380969.91	414399.31	(1.610)

T O N O M I N E

DETAIL OF COST OF COAL, PER TONS SOLD, PER FORM 89, FOR CALENDAR YEAR

1 9 2 7

	<u>Maintenance</u>	<u>Air, Drainage & Light</u>	<u>Mining</u>	<u>Hauling</u>	<u>Weigh & Loading</u>	<u>Devel'tmt.</u>	<u>Sup'ts.</u>	<u>Depcn.</u>	<u>Depln.</u>	<u>TOTAL</u>
January	.125	.072	.927	.220	.040	.050	.091	.059	.032	1.616
February	.116	.080	.922	.226	.034	.044	.092	.060	.032	1.606
March	.119	.056	.938	.211	.032	.027	.077	.047	.032	1.539
April	.126	.071	.946	.227	.034	.049	.088	.059	.032	1.632
May	.174	.064	.917	.236	.036	.083	.088	.056	.032	1.686
June	.196	.090	.919	.220	.037	.064	.093	.062	.032	1.713
July	.242	.139	.869	.234	.050	.064	.190	.106	.032	1.926
August	.124	.124	.871	.223	.039	.058	.127	.069	.032	1.667
September	.141	.074	.918	.223	.037	.066	.099	.055	.032	1.645
October	.118	.056	.904	.211	.032	.073	.081	.045	.032	1.552
November	.121	.056	.905	.193	.032	.057	.073	.039	.032	1.508
December	.133	.046	.915	.206	.033	.047	.065	.036	.032	1.513

T O N O M I N E

STATEMENT OF YARDAGE DRIVEN DURING THE CALENDAR YEAR

1 9 2 7

	<u>Entry</u>	<u>Airway</u>	<u>Room</u>	<u>Total</u>	<u>Cost</u>
January	183	134	16	333	\$ 1040.23
February	176	78	12	266	853.16
March	105	100	8	213	662.30
April	124	137	4	265	802.72
May	290	174	8	472	1473.59
June	209	120	20	349	1125.00
July	92	68	4	164	479.09
August	125	100	6	231	688.49
September	190	149	8	347	1053.43
October	274	152	-	426	1338.02
November	208	174	12	394	1192.34
December	<u>226</u>	<u>159</u>	<u>44</u>	<u>429</u>	<u>1312.12</u>
Total.	2202	1545	142	3889	12020.49

T O N O M I N E
STATEMENT OF EXPENDITURES ACCOUNT "CONSTRUCTION"
FOR THE CALENDAR YEAR
1 9 2 7

	<u>Amount</u>
6-Ton Trolley Locomotive	\$ 7421.27
300 GPM Centrifugal Pump	897.52
Piano for Women's Club House	295.00
Sand Drying Building	164.09
Gasoline Pump (Store)	149.00
Deepen No. 3 Well	584.68
W. & T. Chlorinator	899.85
23" Drill Press	255.00
Overhead Power Line	<u>1192.22</u>
Total	11858.63

T O N O M I N E

STATEMENT OF REAL ESTATE DEPARTMENT RECEIPTS AND
MAINTENANCE EXPENSE FOR THE CALENDAR YEAR

1 9 2 7

	<u>Receipts</u>	<u>Maintenance</u>	<u>Difference</u>
January	\$ 2412.44	\$ 495.22	
February	1339.13	492.29	
March	967.63	553.01	
April	965.25	499.41	
May	933.80	534.76	
June	973.30	1067.41	
July	1976.00	782.93	
August	923.75	1313.44	
September	910.73	623.34	
October	1183.67	408.67	
November	934.78	367.05	
December	<u>922.26</u>	<u>747.08</u>	<u> </u>
	14442.74	7884.61	\$6558.13

RECEIPTS include all sources per Form 109.
MAINTENANCE excludes Depreciation, Insurance,
Taxes and General Office Expense.

T O N O M I N E

STATEMENT OF COMMERCIAL ELECTRIC LIGHTING RECEIPTS
AND EXPENSES FOR THE CALENDAR YEAR
1 9 2 7

	<u>Receipts</u>	<u>Expenses</u>	<u>Difference</u>
January	\$ 312.50	\$ 247.67	\$
February	307.01	275.21	
March	302.00	274.59	
April	312.00	276.51	
May	303.00	230.51	
June	302.00	224.89	
July	294.00	214.12	
August	288.91	199.49	
September	284.50	196.96	
October	294.19	217.58	
November	292.75	244.72	
December	<u>287.27</u>	<u>293.94</u>	<u> </u>
	3580.13	2896.19	683.94

RECEIPTS include all sources, per Form 109
EXPENSES include only the portion of Purchased
Power chargeable to Commercial Lighting.

T O N O M I N E

STATEMENT OF WATER PLANT RECEIPTS AND MAINTENANCE

EXPENSE FOR THE CALENDAR YEAR

1 9 2 7

	<u>Receipts</u>	<u>Maintenance</u>	<u>Difference</u>
January	\$ 118.00	\$ 250.21	
February	116.34	240.75	
March	115.00	259.05	
April	118.00	241.18	
May	114.00	226.33	
June	116.00	240.73	
July	115.00	220.67	
August	112.19	232.37	
September	109.00	228.47	
October	110.96	221.81	
November	111.50	230.74	
December	<u>110.52</u>	<u>255.72</u>	<u> </u>
	1366.51	2848.03	1481.52

RECEIPTS include all sources, per Form 109.
 MAINTENANCE excludes Depreciation, Insurance,
 Taxes and General Office Expense.

T O N O M I N E

MISCELLANEOUS STATEMENT FOR THE CALENDAR YEAR

1 9 2 7

Total Tons Produced	257,333
Tons Produced by Day Pay Miners	(9,083)
Days Mine Operated	223
Days Worked by Contract Miners	19,484
Days Worked by all Others	20,389
Days Worked by all Employes	39,873
Tons per Contract Miner-Shift	12.73
Tons per all Others-Shift	12.17
Tons per all Employes-Shift	6.22
Kegs of Powder Used (25-lb)	6,019
Tons Coal per Keg of Powder	43
Fatal Accidents	1
Non-Fatal Accidents (Minor)	13
Industrial Insurance Premiums Paid	\$13,353.11
Cost per ton	.0518
Total Payments to Medical Aid Fund	3,146.82
Cost per ton	.0122

Note: Payments to Medical Aid Fund are divided equally between Employer and Employee; therefore this cost per ton to Employer is .0061

ANNUAL REPORT

1926

Washington Union Coal Company

WASHINGTON UNION COAL COMPANY
MINERS AND SHIPPERS OF
TONO COAL

IN REPLY PLEASE REFER TO

NO. 6-9



Tono, Washington
February
Fourth
1927

Mr. Eugene McAuliffe, President.

Washington Union Coal Company.

Omaha, Nebr.

Dear Sir:

I submit herewith report of operations of the Washington Union Coal Company for the year 1926 as follows:

HOLDINGS: The Coal Company sold to the O-WRR&N Company 1.83 acres for Railroad extension of right of way East of Tono Mine, reducing the total acreage of the Coal Company to a total of 6880.51 acres, divided 5985.01 acres owned in fee simple and mineral rights only to 895.5 acres, as per Tax Agent's records. Amounts of our tillable and semi-cleared lands are practically unchanged; logged-off areas have increased some due to removal of timber, estimated at 500 acres.

Tenement No. 37 (Tenant Pete Tereski) was totally destroyed by fire with a physical loss of about \$700.00, and was not rebuilt account no shortage of dwellings for employes.

Total farm leases are 15 in number yielding a gross annual rental of about \$2400.00, while accruals from miscellaneous right of ways run about \$500.00 per year.

GENERAL STATEMENT: Total output for 1926 was 250,222 tons, being 6,874 tons less than for 1925. Mine operated 212 days, or 18 days less than in 1925. Average daily production was 1180.29 tons as compared with 1117.8 tons for 1925. Cost per ton for the year's production, per Form 89, was \$1.566 as compared with \$1.558 for 1925. The year's Commercial Sales were 9,654 tons against 11,347 for 1925. Total days worked by Contract Miners 19,742. Tons produced by Contract Miners 243,969, with an average per Contract Miner-Shift of 12.36 tons. Day pay miners produced 6,253 tons.

Following is a synopsis of accidents for the year:

One miner, broken toe, lump of coal breaking and falling from hands when loading car.

One miner, bruised back of hand, bumped it against prop while shoveling.

Four miners received slight cuts on head by coal falling.

One miner, cut finger; it was later infected.

One miner, leg bruised by coal rolling against it.

One Motorman, bruised finger by cranking motor.

One miner, leg broken, was moving coal to replace prop knocked out by coal falling from rib when top coal fell injuring him.

On the whole, 1 major injury and 9 slight injuries, and no fatal accident.

Condition of the mine generally is good; stoppings sealing off worked-out and fire areas are O.K. Haulage roads, airways and traveling-ways good. ventilation machinery and quantity of air coursed in separate splits, also development work all well

up to the needs of the mine. Careful attention has been given to the extraction of pillars to effect maximum recovery consistent with safety. Practically all coal in entry stumps sealed off with fire stoppings, Hill Workings, Straight Main Slope in 1925, has been recovered. It was found on re-opening this area that fire was smothered, which made recovery of coal feasible.

The labor situation throughout the year has been good; no greivances; no delay to mine, and labor turnover practically nil.

Approximately 60% of props, caps, ties, &c. used at the mine during the year were obtained from left-overs from former logging operations and 40% from lands not owned by us.

FIRST AID: Materials for this purpose are provided and located at various stations throughout the mine most convenient to workmen. The supply is inspected frequently by Safety Committeemen and Mine Officials and replenished as needed. Activities in Mine Rescue and First Aid work were good throughout the year. A combination team took part in the International Meet at San Francisco and succeeded in obtaining meritorious recognition, at an expense of about \$800.00.

At monthly safety meetings composed of workmen and Mine Officials, safety and accident prevention measures are discussed freely, which no doubt has borne fruit in minimizing accidents for the year.

Practicing by First Aid Teams has been carried on regularly by a number of our men, and opportunity is afforded to all to take the training. Superintendent of the Bureau of Mines Station at

Seattle, Mr. John Sahoning, has rendered us efficient service in training First Aid and Mine Rescue Teams; also in teaching classes in said work. The Ladies First Aid Association has continued active in that work; also in other constructive community affairs.

UNUSUAL EXPENDITURES: In addition to the current upkeep, the following unusual expenditures were:

\$275.00 for renewal of Boiler Smokestack.

\$250.00 for re-decking approach trestle to mouth of slope.

\$1950.00 for renewal of main slope track rails and bed.

\$250.00 for renewal of 3rd East entry timbers where same passes through fault.

\$250.00 for constructing two Overcasts.

\$550.00 , prospecting for seam in faults.

\$300.00, renewal of timbers and cleaning out Airways.

\$200.00 for new double track partings.

\$ 75.00 overhauling Blacksmith Engine and new foundation.

\$125.00, renewal of Machine Shop roof (iron).

\$546.00 for repairs to mine cars.

\$135.00 for extensions and renewals of slope rollers.

\$232.00 for hoisting cable.

A total of \$6,666.76 was expended for "Construction" under formal Work Orders, viz: Women's Club House \$2437.17 and 30 new Pit Cars \$4229.59.

CAMP: In addition to the ordinary upkeep expense for the cleaning of streets, alleys, toilets and repairs to houses and pipe lines, \$650.00 was expended for re-shingling and re-roofing

houses and buildings.

W Ham

T O N O M I N E

STATEMENT OF TONNAGE SHIPPED DURING THE CALENDAR YEAR

1 9 2 6

	<u>Lump</u>	<u>Mine Run</u>	<u>Total</u>
January	1701	22226	23927
February	1188	22294	23482
March	556	23672	24228
April	209	16611	16820
May	116	12944	13060
June	87	18997	19084
July	--	13209	13209
August	392	15588	15980
September	963	19754	20717
October	1050	25020	26070
November	1215	24779	25994
December	<u>1836</u>	<u>25815</u>	<u>27651</u>
Total	9313	240909	250222

T O N O M I N E

DISTRIBUTION OF COAL SHIPMENTS FOR THE CALENDAR YEAR

1 9 2 6

	<u>Commercial Lump</u>	<u>Mine Run</u>	<u>O-WRR&N. Mine Run</u>	<u>Misc. & Employes Mine Run</u>	<u>Boilers- Co. use Mine Run</u>	<u>TOTAL</u>
January	1701		21734	188	304	23927
February	1188		21856	139	299	23482
March	556		23225	128	319	24228
April	209		16314	64	233	16820
May	116	285	12371	75	213	13060
June	87	56	18630	52	259	19084
July	--		12965	85	159	13209
August	392		15374	41	173	15980
September	963		19460	117	177	20717
October	1050		24524	161	335	26070
November	1215		24308	155	316	25994
December	<u>1836</u>	<u> </u>	<u>25269</u>	<u>173</u>	<u>373</u>	<u>27651</u>
Total	9313	341	236030	1378	3160	250222

T O N O M I N E

STATEMENT OF COST OF COAL, PER TONS MINED AND SHIPPED, PER
FORM 89, FOR THE CALENDAR YEAR

1 9 2 6

	<u>Tonnage</u>	<u>Material</u>	<u>Misc. & Labor</u>	<u>Total</u>	<u>Cost per Ton</u>
January	23927	\$ 2593.42	\$ 34541.71	\$ 37135.13	\$1.552
February	23482	3067.99	33477.76	36545.75	1.556
March	24228	2945.68	34130.49	37076.17	1.530
April	16820	2994.07	26331.59	29325.66	1.743
May	13060	1706.55	20938.66	22645.21	1.734
June	19084	2560.75	26477.41	29038.16	1.522
July	13209	1474.53	20260.18	21734.71	1.645
August	15980	2430.01	23530.23	25960.24	1.624
September	20717	3459.61	29412.85	32872.46	1.587
October	26070	2984.64	35979.83	38964.47	1.495
November	25994	3337.46	36112.02	39449.48	1.518
December	<u>27651</u>	<u>3261.36</u>	<u>37796.82</u>	<u>41058.18</u>	<u>1.485</u>
Total	250222	32816.07	358989.55	391805.62	(1.566)

1310
1.485
1.525 C. B. B.

T O N O M I N E

DETAIL OF COST OF COAL, PER TONS SOLD, PER FORM 89, FOR CALENDAR YEAR

1 9 2 6

	<u>Maintenance</u>	<u>Air, Drainage & Light</u>	<u>Mining</u>	<u>Hauling</u>	<u>Weigh & Loading</u>	<u>Devel'mt.</u>	<u>Supt's.</u>	<u>Depan.</u>	<u>Repln.</u>	<u>TOTAL</u>
January	.121	.060	.915	.232	.030	.052	.080	.030	.032	1.552
February	.139	.069	.892	.217	.034	.052	.090	.031	.032	1.556
March	.134	.061	.899	.209	.032	.050	.083	.030	.032	1.530
April	.224	.091	.897	.246	.038	.059	.113	.043	.032	1.743
May	.159	.085	.900	.249	.039	.070	.144	.056	.032	1.734
June	.106	.054	.886	.211	.037	.057	.101	.038	.032	1.522
July	.123	.082	.899	.225	.036	.048	.143	.055	.032	1.645
August	.157	.064	.905	.217	.037	.042	.125	.045	.032	1.624
September	.174	.049	.919	.214	.034	.037	.093	.035	.032	1.587
October	.111	.056	.928	.203	.034	.029	.074	.028	.032	1.495
November	.122	.057	.925	.216	.030	.035	.073	.028	.032	1.518
December	.106	.066	.901	.212	.031	.042	.070	.025	.032	1.485

T O N O M I N E

STATEMENT OF YARDAGE DRIVEN DURING THE CALENDAR YEAR

1 9 2 6

	<u>Entry</u>	<u>Airway</u>	<u>Room</u>	<u>Total</u>	<u>Cost</u>
January	165	268	4	437	\$1232.49
February	110	303	8	421	1159.19
March	134	219	12	365	1058.79
April	107	142	4	253	744.18
May	62	114	4	180	429.51
June	143	119	8	270	821.95
July	82	82	-	164	506.75
August	76	46	8	130	400.22
September	56	66	8	130	384.02
October	107	143	4	254	766.84
November	99	179	15	293	896.40
December	<u>219</u>	<u>144</u>	<u>11</u>	<u>374</u>	<u>1159.43</u>
Total	1360	1825	86	3271	9559.77

T O N O M I N E
STATEMENT OF EXPENDITURES ACCOUNT "CONSTRUCTION"
FOR THE CALENDAR YEAR
1 9 2 6

	<u>Amount</u>
30 New Pit Cars	\$4229.59
Women's Club House (Non-budget)	<u>2437.17</u>
Total	\$6666.76

T O N O M I N E

STATEMENT OF REAL ESTATE DEPARTMENT RECEIPTS AND
MAINTENANCE EXPENSE FOR THE CALENDAR YEAR

1 9 2 6

	<u>Receipts</u>	<u>Maintenance</u>	<u>Difference</u>
January	\$ 2826.74	\$ 352.60	
February	1116.05	350.06	
March	1108.43	483.78	
April	1109.05	638.70	
May	1096.25	416.48	
June	1099.79	494.05	
July	2022.33	533.44	
August	1080.02	740.55	
September	1083.75	440.83	
October	1067.71	305.02	
November	1318.25	432.09	
December	<u>959.21</u>	<u>481.78</u>	_____
	\$15887.58	\$5669.38	\$10218.20

RECEIPTS include all sources per Form 109.
MAINTENANCE excludes Depreciation, Insurance,
Taxes and General Office Expense.

T O N O M I N E

STATEMENT OF COMMERCIAL ELECTRIC LIGHTING RECEIPTS
AND EXPENSES FOR THE CALENDAR YEAR

1 9 2 6

	<u>Receipts</u>	<u>Expenses</u>	<u>Difference</u>
January	\$ 337.47	\$ 198.14	
February	331.00	275.06	
March	320.82	263.13	
April	320.00	269.56	
May	311.50	219.06	
June	302.50	168.47	
July	310.90	157.19	
August	311.55	151.93	
September	311.00	177.67	
October	306.86	171.56	
November	309.29	209.79	
December	<u>309.77</u>	<u>214.32</u>	<u> </u>
Total	\$3782.66	\$2475.88	\$1306.78

RECEIPTS include all sources per Form 109.
EXPENSES exclude Taxes only

T O N O M I N E

STATEMENT OF WATER PLANT RECEIPTS AND MAINTENANCE

EXPENSE FOR THE CALENDAR YEAR

1 9 2 6

	<u>Receipts</u>	<u>Maintenance</u>	<u>Difference</u>
January	\$ 125.65	\$ 232.66	
February	126.00	228.70	
March	124.55	224.77	
April	122.00	239.95	
May	122.00	207.94	
June	119.00	235.43	
July	148.70	223.53	
August	118.52	210.46	
September	118.00	197.89	
October	116.55	211.48	
November	116.45	207.25	
December	<u>116.52</u>	<u>208.46</u>	-----
Total	\$1473.94	\$2628.52	\$1154.58 (Loss)

RECEIPTS INCLUDE ALL SOURCES PER FORM 109.
 MAINTENANCE excludes Depreciation, Insurance,
 Taxes and General Office Expense.

T O N O M I N E

MISCELLANEOUS STATEMENT FOR THE CALENDAR YEAR

1 9 2 6

Total Tons Produced	250,222
Produced by Day Pay Miners	(6,253)
Days Mine Operated	212
Days Worked by Contract Miners	19,742
Days Worked by all Others	19,530
Days Worked by all Employes	39,272
Tons per Contract Miner-Shift	12.36
Tons per all Others-Shift	12.8
Tons per all Employes-Shift	6.4
Kegs of Powder Used (25-lb)	5,884
Tons Coal per Keg of Powder	43
Fatal Accidents	NONE
Non-Fatal Accidents (Major)	1
Industrial Insurance Premiums Paid	\$8,286.84
Cost per Ton	.033
Payments to Medical Aid Fund	\$2,711.72
Cost per Ton	.0108

Note: Payments to Medical Aid Fund are divided equally between Employer and Employee, therefore this cost per ton to Employer is .0054.

A N N U A L R E P O R T

1 9 2 5

Washington Union Coal Company

Tono, Washington
January
Twenty-second
1926

Mr. Eugene McAuliffe, President.
Washington Union Coal Company
Omaha, Nebraska.

Dear Sir:

I submit herewith report of operations of the Washington Union Coal Company for the year 1925 as follows:

HOLDINGS: The total acreage holdings of the Company are unchanged; acreage of tillable and semi-cleared lands are substantially unchanged, while logged-off areas have increased some 250 acres by reason of the operations of the Mutual Lumber Company.

Ranch House No. 4 destroyed by fire in 1924 was rebuilt this year at a cost of \$206.79.

Ranch House No. 13 destroyed by fire in 1924 has not been rebuilt, this farm acreage being leased to our nearest Tenant.

Our total farm leases are 17 in number, yielding a gross annual rental of \$2657.00.

GENERAL STATEMENT: Total output for 1925 was 257,096 tons, being 6,692 tons less than for 1924. Mine operated 230 days, or one day less than in 1924. Average daily production was 1117.8 tons as compared with 1143 tons for 1924. Cost per ton for the year's production, per Form 89, was \$1.558 as compared with \$1.554 for 1924. The year's Commercial Sales were 11,347 tons against 15,748 for 1924.

One fatal accident - Aaron Litts, Driver, crushed between car and rib. Four major injuries (though not serious), viz: Miner injured

shoulder by falling from scaffold; Driver kicked in mouth by mule; Miner overcome with Damp issuing from old workings through cave, and Driver's knee injured by car account his foot being caught on track tie by calks in his shoe.

The condition of the mine generally is good; stoppings sealing off worked out and fire areas are O. K. Haulage roads, airways and travel-ways good; ventilation machinery and quantity of air coursed in separate splits, also development work all well up to the needs of the mine. Careful attention has been given to the extraction of pillars to effect maximum recovery consistent with safety. Some 2700 tons of coal will be lost in areas that were sealed off account of caved ground firing.

The labor situation throughout the year has been good; no serious greivances, no delay to mine on that account, and labor turnover practically nil.

Approximately 65% of props, caps, ties, &c. used at the mine during the year were obtained from left-overs from former logging operations and 35% from lands not owned by us.

FIRST AID: Materials for this purpose is provided and located at various stations throughout the mine most convenient to workmen. The supply is inspected frequently by Safety Committmen and Mine Officials and replenished as needed.

At monthly safety meetings composed of Workmen and Mine Officials, safety and accident prevention measures are discussed freely, which without question is beneficial to all.

Practicing by First Aid Teams has been carried on regularly by a number of our men, and opportunity is afforded to all to take the training. The Bureau of Mines Rescue Auto Truck from Seattle, with Sup't.

John Schoening in charge, gave two classes of our men additional training in Mine Rescue and First Aid; and also two teams of Ladies took training in First Aid, and said teams are yet quite active in the work having effected a definite Ladies' First Aid Association.

UNUSUAL EXPENDITURES: During the year \$2500.00 was expended on replacements of mine cars, wheels, axles, iron, lumber, &c. \$110.00 was expended for Slope Rollers; \$1347.00 for Hoisting Cables; \$985.00 for Track Rails. Making of Escapeways 4th South and Burton Entry cost \$175.00; trimming ribs for track clearances \$650.00, and extending permanent tracks and partings for New Hoist \$800.00.

A total of \$14,365.85 was expended for "Construction" under formal Work Orders, as detailed elsewhere in this report.

CAMP: In addition to the ordinary upkeep expense for the cleaning of streets, alleys, toilets and repairs to houses and pipe lines, \$520.00 was expended for reshingling and reroofing houses and buildings; \$300.00 for renewals of domestic water supply lines, and \$175.00 for Camp Street Bridges.

Respectfully submitted,

W. H. Hany
Manager

T O N O M I N E

STATEMENT OF TONNAGE SHIPPED DURING THE CALENDAR YEAR

1 9 2 5

	<u>Lump</u>	<u>Mine Run</u>	<u>Total</u>
January	2088	26906	28994
February	1238	20345	21583
March	871	23843	24714
April	689	22582	23271
May	205	12188	12393
June	198	17168	17366
July	185	15980	16165
August	314	14754	15068
September	1118	19702	20820
October	1531	22456	23987
November	1433	23947	25380
December	<u>1383</u>	<u>25972</u>	<u>27355</u>
TOTAL	11253	245843	257096

T O N O M I N E

DISTRIBUTION OF COAL SHIPMENTS FOR THE CALENDAR YEAR

1 9 2 5

	Commercial		O-WRR&N.	Misc. &	Boilers	
	<u>Lump</u>	<u>Mine Run</u>	<u>Mine Run</u>	<u>Mine Run</u>	<u>Mine Run</u>	<u>TOTAL</u>
January	2088		26550	153	203	28994
February	1238		20011	148	186	21583
March	871		23514	124	205	24714
April	689	39	22258	113	172	23271
May	205		11986	51	151	12393
June	198		16955	113	100	17366
July	185		15742	63	175	16165
August	314		14559	85	110	15068
September	1118		19427	127	148	20820
October	1531		22082	149	225	23987
November	1433		23539	165	243	25380
December	<u>1383</u>	<u>55</u>	<u>25479</u>	<u>173</u>	<u>265</u>	<u>27355</u>
TOTAL	11253	94	242102	1464	2183	257096

$$\begin{array}{r} 44 \\ 11347 \end{array}$$

T O N O M I N E

STATEMENT OF COST OF COAL, PER TONS MINED AND SHIPPED, PER
FORM 89, FOR THE CALENDAR YEAR

1 9 2 5

	<u>Tonnage</u>	<u>Amount</u>	<u>Cost per Ton</u>
January	28994	\$ 43351.19	\$1.495
February	21583	34292.37	1.589
March	24714	39064.64	1.581
April	23271	36049.45	1.549
May	12393	21624.06	1.745
June	17366	28214.24	1.625
July	16165	25784.78	1.595
August	15068	24592.47	1.632
September	20820	31640.16	1.520
October	23987	36505.05	1.522
November	25380	37500.91	1.478
December	<u>27355</u>	<u>41936.57</u>	<u>1.533</u>
TOTAL	257096	400555.89	(1.558)

T O N O M I N E

DETAIL OF COST OF COAL, PER TONS SOLD, PER FORM 89, FOR THE CALENDAR YEAR

1 9 2 5

	<u>Maintenance</u>	<u>Air Drainage & Light</u>	<u>Winning</u>	<u>Hauling</u>	<u>Weigh.& Loading</u>	<u>Devel.'mt.</u>	<u>Supt.'s.</u>	<u>Depcn.</u>	<u>Dep'n.</u>	<u>TOTAL</u>
January	.120	.049	.914	.203	.040	.045	.066	.026	.032	1.495
February	.134	.064	.901	.220	.045	.066	.092	.035	.032	1.589
March	.125	.063	.903	.218	.044	.085	.081	.030	.032	1.581
April	.131	.045	.892	.225	.044	.066	.082	.032	.032	1.549
May	.134	.071	.898	.262	.052	.086	.150	.060	.032	1.745
June	.139	.064	.883	.234	.045	.075	.110	.043	.032	1.625
July	.112	.062	.879	.243	.044	.066	.116	.041	.032	1.595
August	.131	.064	.899	.236	.038	.059	.129	.044	.032	1.632
September	.109	.054	.891	.207	.040	.060	.095	.032	.032	1.520
October	.140	.035	.907	.213	.032	.054	.080	.029	.032	1.522
November	.113	.053	.911	.195	.030	.042	.075	.027	.032	1.478
December	.131	.079	.905	.211	.037	.044	.069	.025	.032	1.533

T O N O M I N E

STATEMENT OF YARDAGE DRIVEN DURING THE CALENDAR YEAR

1 9 2 5

	<u>Entry</u>	<u>Slope</u>	<u>Airway</u>	<u>Room</u>	<u>Total</u>	<u>Cost</u>
January	139	35	232	20	426	\$ 1308.29
February	154	19	233	32	438	1337.29
March	255	30	285	16	586	1806.99
April	152	19	203	12	386	1167.14
May	135		121	4	260	822.67
June	219		170	12	401	1218.55
July	187		132	20	339	1046.72
August	153		139	4	296	899.34
September	237		160	4	401	1224.70
October	235		152	20	407	1281.26
November	164		180	14	358	1074.69
December	<u>175</u>	<u> </u>	<u>217</u>	<u>40</u>	<u>432</u>	<u>1211.89</u>
TOTAL	2205	103	2224	198	4730	14399.53

T O N O M I N E
STATEMENT OF EXPENDITURES ACCOUNT "CONSTRUCTION"
FOR THE CALENDAR YEAR
1 9 2 5

	<u>Amount</u>
Delivery Truck-Mdse. Dept. (Non-budget)	\$ 1219.94
Centrifugal Pump	909.64
New Pit Cars	4228.54
15 HP Motor (Non-budget)	179.00
Electric Hoists & Power Lines	<u>7828.73</u>
TOTAL	14365.85

T O N O M I N E

STATEMENT OF REAL ESTATE DEPARTMENT RECEIPTS
AND MAINTENANCE EXPENSE FOR THE CALENDAR YEAR

1 9 2 5

	<u>Receipts</u>	<u>Maintenance</u>	<u>Difference</u>
January	\$2692.51	\$ 876.21	\$
February	1282.06	585.18	
March	1159.04	618.57	
April	1117.17	607.44	
May	1115.94	493.68	
June	1174.00	705.90	
July	2201.40	605.99	
August	1093.54	390.91	
September	1094.22	738.38	
October	1097.01	488.21	
November	1106.06	456.48	
December	<u>1480.10</u>	<u>368.73</u>	<u> </u>
	16613.05	6935.68	9677.37

RECEIPTS include all sources per Form 109.
MAINTENANCE excludes Depreciation, Insurance,
Taxes and General Office Expense.

T O N O M I N E
 STATEMENT OF COMMERCIAL ELECTRIC LIGHTING RECEIPTS
 AND EXPENSES FOR THE CALENDAR YEAR
 1 9 2 5

	<u>Receipts</u>	<u>Expenses</u>	<u>Difference</u>
January	\$ 339.21	\$ 405.72	\$
February	328.14	480.76	
March	326.00	368.38	
April	327.00	257.20	
May	317.20	120.50	
June	294.00	161.35	
July	312.50	160.99	
August	309.23	136.66	
September	317.50	160.58	
October	322.77	122.93	
November	335.50	159.27	
December	<u>323.50</u>	<u>133.55</u>	<u> </u>
	3852.55	2667.89	1184.66

RECEIPTS include all sources per Form 109.
 EXPENSES exclude Taxes only.

T O N O M I N E

STATEMENT OF WATER PLANT RECEIPTS AND MAINTENANCE

EXPENSE FOR THE CALENDAR YEAR

1 9 2 5

	<u>Receipts</u>	<u>Maintenance</u>	<u>Difference</u>
January	\$ 125.35	\$ 166.06	\$
February	124.43	158.62	
March	124.00	155.10	
April	124.33	195.65	
May	124.35	221.24	
June	123.00	192.80	
July	123.00	211.66	
August	121.45	208.88	
September	123.33	198.55	
October	122.52	179.40	
November	123.50	253.73	
December	<u>126.00</u>	<u>187.89</u>	_____
	1485.26	2329.58	844.32

RECEIPTS include all sources per Form 109.
 MAINTENANCE excludes Depreciation, Insurance,
 Taxes and General Office Expense.

T O N O M I N E

MISCELLANEOUS STATEMENT FOR THE CALENDAR YEAR

1 9 2 5

Total Tons Produced	257,096
Days Mine Operated	230
Days Worked by Contract Miners	22,412
Days Worked by all Others	20,206
Days Worked by all Employes	42,618
Tons per Contract Miner	11.5
Tons per all Others	12.7
Tons per all Employes	6.0
Kegs of Powder Used	6,168
Tons Coal per Keg of Powder	42
Fatal Accidents	1
Non-Fatal Accidents (Major - not serious)	4
Industrial Insurance Premiums	\$10,997.10
Cost per Ton	.0427
Payments to Medical Aid Fund	\$ 2,943.39
Cost per Ton	.0114

NOTE: Payments to Medical Aid Fund are divided evenly between Employer and Employee, i. e., the Employee pays one-half of above sum

WASHINGTON UNION COAL COMPANY

COMPARISON OPERATING COSTS AND GENERAL EXPENSES 1923, 1924 and 1925.

	Cost of Labor			Cost of Material			Cost of Labor and Material		Depreciation		Depletion		Total Mine Cost		
	Tons Mined	Amount	Per Ton	Amount	Per Ton	Amount	Per Ton	Amount	Per Ton	Amount	Per Ton	Amount	Per Ton	Total Tons Sold	
Jan. 1923	26,193.70	\$39,725.60	\$1.516	\$2,955.24	\$.112	\$42,680.84	\$1.628	\$681.04	\$.026	\$47.10	\$.032	\$44,208.28	\$1.686	23,394.70	
" 1924	29,361.15	40,132.51	1.365	3,983.82	.133	44,116.33	1.498	602.06	.025	949.54	.032	45,667.93	1.555	23,603.15	
" 1925	28,993.75	38,458.48	1.326	3,214.89	.110	41,673.37	1.437	740.16	.026	937.66	.032	43,351.19	1.495	23,790.75	
Feb. 1923	28,200.95	41,527.22	1.472	3,490.61	.124	45,017.83	1.596	681.04	.024	912.02	.032	46,610.89	1.652	27,607.95	
" 1924	25,265.80	34,219.15	1.356	2,713.72	.107	36,932.87	1.463	691.95	.024	817.30	.032	38,351.92	1.518	24,583.20	
" 1925	21,583.50	30,725.48	1.423	2,128.73	.099	32,854.21	1.521	740.15	.035	698.01	.032	34,292.37	1.590	21,228.90	
Mar. 1923	36,606.80	51,751.72	1.414	3,985.82	.109	55,737.54	1.523	706.05	.019	1,183.86	.032	57,627.45	1.574	34,744.20	
" 1924	22,486.80	29,934.27	1.352	2,431.45	.087	32,365.72	1.439	601.95	.027	727.22	.032	33,694.89	1.498	21,927.80	
" 1925	24,822.25	34,837.39	1.403	2,687.86	.108	37,525.25	1.512	740.15	.030	799.24	.032	39,064.64	1.581	24,617.23	
Apr. 1923	Strike	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	- -	
" 1924	24,328.15	32,655.72	1.344	2,261.15	.092	34,916.87	1.436	601.95	.025	796.77	.032	36,315.59	1.493	24,053.15	
" 1925	23,270.85	32,365.12	1.391	2,191.58	.094	34,556.70	1.485	740.15	.032	752.60	.032	36,049.45	1.549	23,098.95	
May 1923	9,168.80	16,764.80	1.822	1,860.98	.202	18,625.78	2.040	706.00	.077	296.52	.032	19,628.30	2.152	9,427.90	
" 1924	18,457.25	26,039.83	1.415	1,678.68	.086	27,718.51	1.501	601.95	.033	596.90	.032	28,917.36	1.566	18,314.25	
" 1925	12,393.40	19,346.51	1.561	1,136.61	.092	20,483.12	1.653	740.14	.060	400.80	.032	21,624.06	1.745	12,242.40	
June 1923	17,836.55	25,642.37	1.441	2,205.71	.123	27,848.08	1.561	706.00	.039	566.83	.032	29,120.91	1.634	17,402.55	
" 1924	13,875.40	20,653.09	1.459	1,676.07	.150	22,329.16	1.609	601.95	.044	448.73	.032	23,379.84	1.685	13,686.40	
" 1925	17,366.10	24,865.47	1.432	2,047.01	.118	26,912.48	1.550	740.14	.043	561.62	.032	28,214.24	1.625	17,266.10	
July 1923	14,886.55	22,081.11	1.482	2,200.84	.148	24,281.95	1.631	706.00	.048	481.43	.032	25,469.38	1.711	14,446.55	
" 1924	15,534.50	22,529.79	1.453	1,535.91	.096	24,065.70	1.549	598.61	.039	502.39	.032	25,166.70	1.620	15,359.50	
" 1925	16,165.05	23,068.26	1.427	1,525.09	.095	24,593.35	1.522	668.65	.041	522.78	.032	25,784.78	1.595	15,990.05	
Aug. 1923	16,381.50	23,611.72	1.439	2,094.92	.121	25,706.64	1.560	706.00	.043	529.78	.032	26,942.42	1.644	15,955.50	
" 1924	15,333.60	22,543.24	1.473	1,635.61	.104	24,178.85	1.577	598.57	.039	495.89	.032	25,273.31	1.648	15,186.60	
" 1925	15,068.45	22,107.50	1.467	1,329.08	.089	23,436.58	1.556	668.58	.044	487.31	.032	24,592.47	1.632	14,958.45	
Sept. 1923	21,975.45	29,276.50	1.349	2,409.87	.109	31,686.37	1.449	706.00	.032	710.69	.032	33,103.06	1.506	21,518.45	
" 1924	17,498.05	24,389.44	1.394	1,645.66	.093	26,035.10	1.487	741.83	.042	565.89	.032	27,342.82	1.561	17,322.05	
" 1925	20,819.50	27,960.58	1.343	2,337.70	.113	30,298.28	1.456	668.58	.032	673.30	.032	31,640.16	1.520	20,671.50	
Oct. 1923	28,429.05	37,568.59	1.323	3,206.89	.113	40,775.48	1.435	706.00	.024	919.40	.032	42,400.88	1.488	27,885.05	
" 1924	27,369.15	36,559.61	1.334	2,729.98	.101	39,289.59	1.435	781.79	.029	885.12	.032	40,956.50	1.496	27,142.15	
" 1925	23,986.90	32,064.91	1.333	2,995.82	.129	35,060.73	1.462	668.58	.029	775.74	.032	36,505.05	1.522	23,761.90	
Nov. 1923	25,335.10	34,389.51	1.359	2,625.23	.103	37,014.74	1.461	511.34	.020	819.34	.032	38,345.32	1.513	24,763.10	
" 1924	25,676.80	34,630.42	1.347	2,342.52	.091	36,972.94	1.438	781.78	.030	830.39	.032	38,585.11	1.509	25,378.80	
" 1925	25,380.45	33,129.38	1.305	2,882.15	.114	36,011.53	1.419	668.58	.027	820.80	.032	37,500.91	1.478	25,137.45	
Dec. 1923	25,831.55	35,439.98	1.373	3,297.35	.127	38,737.33	1.499	511.36	.020	835.39	.032	40,084.08	1.551	25,141.55	
" 1924	28,601.45	38,087.86	1.332	3,271.71	.114	41,359.57	1.446	781.78	.028	924.97	.032	43,066.32	1.506	28,324.45	
" 1925	27,354.55	36,586.99	1.338	3,796.35	.138	40,383.34	1.476	668.58	.025	884.65	.032	41,936.57	1.533	27,089.55	
Year 1923	250,846.00	\$357,779.12	\$1.426	\$30,333.46	\$.121	\$388,112.58	\$1.547	\$7,326.83	\$.029	\$8,102.36	\$.032	\$403,541.79	\$1.608	244,291.50	
Year 1924	263,788.10	362,374.93	1.373	27,906.28	.106	390,281.31	1.479	7,896.17	.029	8,530.91	.032	406,718.29	1.542	259,884.10	
Year 1925	257,204.75	355,516.07	1.382	28,272.87	.110	383,788.94	1.492	8,452.44	.033	8,314.51	.032	400,555.89	1.557	257,096.15	
Increase			\$.009	\$ 366.59	\$.004		\$.013	\$ 556.27	\$.004				\$.015		
Decrease	6,583.35	6,858.86				6,492.37				216.40		6,162.40		3,787.95	

Reduction Cost 1924 - 263,788.10 tons at \$.094 - - \$24,796.07

Increase Cost 1925 - 257,204.75 tons at \$.026 - - 6,687.33

Average Tons Per Day Mine Worked 1923

1088

" " " " " " 1924

1142

" " " " " " 1925

1118

WASHINGTON UNION COAL COMPANY

COMPARISON OPERATING COSTS AND GENERAL EXPENSES 1923, 1924 and 1925.

Cost of Labor and Material		Depreciation		Depletion		Total Mine Cost			General Expenses		Total Cost	Working Time - Days
Amount	Per Ton	Amount	Per Ton	Amount	Per Ton	Amount	Per Ton	Total Tons Sold	Amount	Per Ton Sold	Per Ton Coal Sold	
42,680.84	1.628	681.04	.026	847.10	.032	44,208.28	1.686	25,394.70	4,491.49	.177	1.868	20.0
44,116.33	1.498	602.06	.025	949.54	.032	45,667.93	1.555	28,605.15	2,758.88	.097	1.652	26.0
41,673.37	1.437	740.16	.026	937.66	.032	43,351.19	1.495	28,790.75	4,297.76	.105	1.644	26.0
45,017.83	1.596	681.04	.024	912.02	.032	46,610.89	1.652	27,607.95	5,639.08	.204	1.856	22.0
36,932.87	1.463	691.95	.024	817.10	.032	38,351.92	1.518	24,583.80	2,588.12	.105	1.622	21.0
32,854.21	1.521	740.15	.035	698.01	.032	34,292.37	1.590	21,288.90	3,262.04	.153	1.743	19.0
55,737.54	1.523	706.05	.019	1,183.86	.032	57,627.45	1.574	34,744.20	5,236.75	.151	1.776	27.0
32,365.72	1.439	601.95	.027	727.22	.032	33,694.89	1.498	21,927.80	2,531.86	.116	1.613	19.0
37,525.25	1.512	740.15	.030	799.24	.032	39,064.64	1.581	24,617.25	3,449.27	.140	1.721	22.0
34,916.87	1.436	601.95	.025	796.77	.032	36,315.59	1.493	24,053.15	1,223.60	-	-	-
34,556.70	1.485	740.15	.032	752.60	.032	36,049.45	1.549	23,098.95	2,842.88	.118	1.611	21.0
18,625.78	2.040	706.00	.077	296.52	.032	19,628.30	2.152	9,427.90	3,361.55	.145	1.694	22.0
27,718.51	1.501	601.95	.033	596.90	.032	28,917.36	1.566	18,314.25	1,452.03	.154	2.202	11.0
20,483.12	1.653	740.14	.060	400.80	.032	21,624.06	1.745	12,242.40	2,520.45	.138	1.705	16.0
27,848.08	1.561	706.00	.039	566.83	.032	29,120.91	1.634	17,402.55	3,267.82	.269	2.014	12.0
22,329.16	1.609	601.95	.044	448.73	.032	23,579.84	1.685	13,686.40	2,657.18	.152	1.896	19.0
26,912.48	1.550	740.14	.043	561.62	.032	28,214.24	1.625	17,266.10	2,202.62	.167	1.848	12.0
24,281.95	1.631	706.00	.048	481.43	.032	25,469.38	1.711	14,446.55	2,941.46	.169	1.794	16.0
24,065.70	1.549	598.61	.039	502.39	.032	25,166.70	1.620	15,359.50	2,286.55	.159	2.025	15.0
24,593.35	1.522	668.65	.041	522.78	.032	25,784.78	1.595	15,990.05	2,105.62	.137	1.756	14.0
25,706.64	1.560	706.00	.043	529.78	.032	26,942.42	1.644	15,955.50	3,243.14	.203	1.798	15.0
24,178.85	1.577	598.57	.039	495.89	.032	25,273.31	1.648	15,186.60	2,459.31	.154	1.797	17.5
23,436.58	1.556	668.58	.044	487.31	.032	24,592.47	1.632	14,958.45	1,999.58	.133	1.780	14.0
31,686.37	1.449	706.00	.032	710.69	.032	33,103.06	1.506	21,518.45	3,142.12	.210	1.842	13.0
26,035.10	1.487	741.83	.042	565.89	.032	27,342.82	1.561	17,322.05	2,018.56	.094	1.597	23.0
30,298.28	1.456	668.58	.032	673.30	.032	31,640.16	1.520	20,671.50	2,804.73	.165	1.724	16.0
40,775.48	1.435	706.00	.024	919.40	.032	42,400.88	1.488	27,885.05	2,796.98	.134	1.654	18.0
39,289.59	1.435	781.79	.029	885.12	.032	40,956.50	1.496	27,142.15	3,023.07	.107	1.600	27.0
35,060.73	1.462	668.58	.029	775.74	.032	36,505.05	1.522	23,761.90	3,391.06	.125	1.621	25.0
37,014.74	1.461	511.34	.020	819.34	.032	38,345.32	1.513	24,763.10	2,628.63	.111	1.633	21.0
36,972.94	1.438	781.78	.030	830.39	.032	38,585.11	1.509	25,378.80	2,859.81	.115	1.630	24.0
36,011.53	1.419	668.58	.027	820.80	.032	37,500.91	1.478	25,137.45	3,696.62	.144	1.648	22.0
38,737.33	1.499	511.36	.020	835.39	.032	40,084.08	1.551	25,141.55	2,934.72	.116	1.594	21.0
41,359.57	1.446	781.78	.028	924.97	.032	43,066.32	1.506	28,324.45	1,128.10	.045	1.598	25.0
40,383.34	1.476	668.58	.025	884.65	.032	41,936.57	1.533	27,089.55	6,088.72	.215	1.721	25.0
									1,974.11	.073	1.606	25.0
368,112.58	1.547	7,326.83	.029	8,102.36	.032	403,541.79	1.608	244,291.50	34,475.53	.145	1.772	230.5
390,281.31	1.479	7,896.17	.029	8,530.91	.032	406,718.29	1.542	259,884.10	35,531.14	.136	1.678	231.0
383,788.94	1.492	8,452.44	.033	8,314.51	.032	400,555.89	1.557	257,096.15	37,299.60	.147	1.704	230.0
	.013	556.27	.004				.015		1,768.56	.011	.026	
												1.0
6,492.37				216.40		6,162.40		2,787.95				

Reduction Cost 1924 - 263,788.10 tons at \$.094 - - \$24,796.07

Increase Cost 1925 - 257,204.75 tons at \$.026 - - 6,687.33

Average Tons Per Day Mine Worked 1923 1088
 " " " " " 1924 1142
 " " " " " 1925 1118

ANNUAL REPORT
WASHINGTON UNION COAL COMPANY

1 9 2 4

File 6-9

Tono, Washington
February
Twenty-third
1925

Mr. Eugene McAuliffe, President.

Washington Union Coal Company.

Omaha, Nebraska.

Dear Sir:

I submit herewith report of operations of the Washington Union Coal Company for the year 1924, as follows:

Holdings: Total acreage holdings of the Company are unchanged; amount of tillable and semi-cleared lands are unchanged; logged off areas have increased by reason of the operations of the Mutual Lumber Company.

On December 22, 1924, Ranch House No. 4 was completely destroyed by fire. Paul Erzen, Lessee. Valuation as per Insurance Schedule \$400.00. Also, on December 29th, 1924, Ranch House No. 13 was completely destroyed by fire. Lessee Lee Dinsmore. Valuation as per Insurance Schedule \$500.00. Both of these losses have been previously reported.

General Statement: Total output for 1924 was 263,788 tons, an increase of 10,945 tons over 1923 and of 84,938 tons over 1922. Mine worked 231 days in 1924; 230½ in 1923. The average daily output for 1924 was 1143 tons, an increase of 45 tons per day over that of the previous year. Average cost per ton for 1924 (Form 89) \$1.554. Cost per ton for the year's output was \$1.542 as compared with \$1.609 for 1923. No fatal accidents in 1924 and but one serious accident.

The 1924 Commercial Sales amounted to 15748 tons as compared with 14433 tons for 1923.

The condition of the mine generally is very good, with all haulage roads, traveling ways and aircourses in good repair. Development work is well up to the mine's requirements, particular attention being given to concentration of work in order to obtain maximum extraction of coal, safety and economical operation. The mine has suffered no interruptions of work account local labor matters during 1924, and in fact it is not of record that Tono Mine ever lost a day's work on that account. Worked out and sealed off areas throughout the mine have caused no trouble or expense during the year (other than usual inspection expense of stoppings), though fires did exist in certain places before they were sealed off.

Of the total amount of timber used in 1924, approximately 40% of it was shipped in from outside sources, which consisted of 11 and 12-ft. props. A large portion of our local timber used is from down timber, and which should be used as soon as possible.

First Aid: This material is kept in suitable boxes located in the various districts of the mine and are looked over by regular Safety Committeeman, as well as by the mine officials, the latter attending to replacement as needed. Safety meetings are held regularly each month at which time accidents and accident prevention measures are freely discussed and no doubt much good is accomplished thereby. Records show that during 1923 and 1924 a total of 8 employes were given their first Mine Rescue training; also that 20 were given their first First Aid training, while 12 were given their second additional First Aid training.

We now have a total of 30 men trained in Mine Rescue work and 53 men trained in First Aid work. The Ladies First Aid Class of Tono have 19 active members.

Labor: This mine is favored with very little labor turnover, in fact it is practically nil and labor grievances are also just as rare.

During the year \$400.00 was spent for new mules to take the place of cripples and worn out stock; \$2100.00 was expended for new mine car wheels, axles and irons for replacement purposes. \$1100.00 was expended on test holes to prove ground in creek and swamp directly over the 8th North Entry, No. 1 North Slope, driving of said entry under creek and sinking of airshaft to entry beyond the swamp; \$384.00 for $\frac{1}{2}$ " hoisting cable; \$720.00 for track rails; \$220.00 for special parts for Gasoline Locomotive and \$240.00 for electric cut-outs, circuit breakers, &c. Increasing the size of sumps, No. 1 North Slope and 5th South required an expenditure of \$230.00.

Camp: The usual standards of cleanliness of streets, alleys and toilets have been maintained and tenements given ordinary repairs. No unusual outbreak of sickness has occurred, and chemical treatment of domestic water is in effect.

T O N O M I N E

STATEMENT OF TONNAGE SHIPPED DURING THE CALENDAR YEAR

1 9 2 4

	<u>Lump</u>	<u>Mine Run</u>	<u>Total</u>
January	2543	26818	29361
February	1194	24072	25266
March	1272	21215	22487
April	985	23343	24328
May	136	18321	18457
June	221	13654	13875
July	279	15255	15534
August	494	14840	15334
September	1520	15978	17498
October	1642	25727	27369
November	1983	23695	25678
December	<u>2907</u>	<u>25694</u>	<u>28601</u>
TOTAL	15176	248612	263788
1923	13438	237408	250846
1922	10567	168153	178720

T O N O M I N E

DISTRIBUTION OF COAL SHIPMENTS FOR THE CALENDAR YEAR

1 9 2 4

	<u>Commercial</u> <u>Lump</u>	<u>Mine Run</u>	<u>C-WRRAN.</u> <u>Mine Run</u>	<u>Misc. &</u> <u>Employes</u> <u>Mine Run</u>	<u>Boilers</u> <u>Co. Use</u> <u>Mine Run</u>	<u>TOTAL</u>
January	2543	61	25827	174	756	29361
February	1194	115	23157	118	682	25266
March	1272	114	20422	120	559	22487
April	985		22959	109	275	24328
May	136		18131	47	143	18457
June	221		13424	41	189	13875
July	279	30	15009	41	175	15534
August	494	59	14565	69	147	15334
September	1520	60	15639	103	176	17498
October	1642	97	25254	149	227	27369
November	1983	36	23191	170	298	25678
December	<u>2907</u>		<u>25201</u>	<u>216</u>	<u>277</u>	<u>28601</u>
	15176	572	242779	1357	3904	263788
1923	13438	995	228345	1514	6554	250846
1922	10567	1416	159567	1695	5475	178720

(Commenced using purchased electric energy April 1, 1924)

T O N O M I N E

STATEMENT OF COST OF COAL, PER TONS MINED AND SHIPPED, PER
FORM 89, FOR THE CALENDAR YEAR

1 9 2 4

	<u>Tonnage</u>	<u>Amount</u>	<u>Cost per Ton</u>
January	29361	\$ 45667.93	\$ 1.555
February	25266	38351.92	1.518
March	22487	33694.89	1.498
April	24328	36315.59	1.493
May	18457	28917.36	1.567
June	13875	23379.84	1.685
July	15534	25166.70	1.620
August	15334	25273.31	1.648
September	17498	27342.82	1.563
October	27369	40956.50	1.496
November	25678	38585.11	1.503
December	<u>28601</u>	<u>43066.32</u>	1.506
TOTAL	263788	406718.29	(1.542)
1923	250846	403542.00	(1.609)
1922	178720	295857.76	(1.655)

T O N O M I N E

DETAIL OF COST OF COAL, PER TONS SOLD, PER FORM 89, FOR THE CALENDAR YEAR

1 9 2 4

	<u>Maintenance</u>	<u>Air Drainage & Light</u>	<u>Mining</u>	<u>Hauling</u>	<u>Weigh.& Loading</u>	<u>Develop't.</u>	<u>Sup'ts.</u>	<u>Depen.</u>	<u>Dep'n.</u>	<u>TOTAL</u>
January	.150	.058	.911	.212	.045	.047	.075	.025	.032	1.555
February	.106	.068	.905	.219	.042	.039	.083	.024	.032	1.518
March	.099	.053	.902	.220	.041	.032	.092	.027	.032	1.498
April	.112	.050	.903	.203	.044	.038	.086	.025	.032	1.493
May	.107	.072	.898	.203	.048	.060	.114	.033	.032	1.567
June	.130	.091	.906	.230	.054	.061	.137	.044	.032	1.685
July	.116	.080	.893	.225	.047	.076	.112	.039	.032	1.620
August	.117	.079	.890	.233	.045	.090	.123	.039	.032	1.648
September	.100	.066	.883	.224	.044	.071	.102	.042	.032	1.563
October	.114	.066	.889	.195	.038	.060	.073	.029	.032	1.496
November	.010	.047	.917	.196	.038	.057	.086	.030	.032	1.503
December	.120	.047	.897	.209	.040	.065	.068	.028	.032	1.506

T O N O M I N E

STATEMENT OF REAL ESTATE DEPARTMENT RECEIPTS AND
MAINTENANCE EXPENSE FOR THE CALENDAR YEAR

1 9 2 4

	<u>Receipts</u>	<u>Maintenance</u>	<u>Difference</u>
January	\$2904.91	\$ 335.33	
February	966.25	407.86	
March	967.45	375.55	
April	982.35	355.60	
May	985.50	539.08	
June	1115.53	852.92	
July	1993.61	590.36	
August	1028.64	654.79	
September	985.31	371.30	
October	1250.56	332.97	
November	1130.57	344.79	
December	<u>1152.48</u>	<u>602.83</u>	
	15463.16	5763.38	9699.78

Receipts include all sources per Form 109.
Maintenance excludes Depreciation, Insurance,
Taxes and General Office Expense.

T O N O M I N E

STATEMENT OF COMMERCIAL LIGHTING PLANT RECEIPTS

AND ALL EXPENSES FOR THE CALENDAR YEAR

1 9 2 4

	<u>Receipts</u>	<u>Expenses</u>	<u>Difference</u>
January	\$320.63	\$261.27	
February	331.00	245.25	
March	321.00	217.17	
April	322.50	209.38	
May	322.50	187.00	
June	307.92	160.76	
July	309.50	166.05	
August	318.73	166.05	
September	312.81	190.51	
October	313.88	239.90	
November	331.50	310.46	
December	<u>321.50</u>	<u>343.98</u>	<u> </u>
	3833.47	2697.78	1135.69

(Commenced using purchased electrical power April 1, 1924)

Receipts include all sources per Form 109.
Expenses exclude Taxes.

T O N O M I N E

STATEMENT OF WATER PLANT RECEIPTS AND MAINTENANCE

EXPENSE FOR THE CALENDAR YEAR

1 9 2 4

	<u>Receipts</u>	<u>Maintenance</u>	<u>Difference</u>
January	\$117.64	\$146.07	
February	118.00	142.04	
March	118.00	140.97	
April	119.00	147.73	
May	119.00	156.04	
June	116.70	146.67	
July	118.00	228.14	
August	118.48	155.17	
September	118.46	236.22	
October	119.19	225.21	
November	122.50	169.21	
December	<u>124.00</u>	<u>191.97</u>	—
	1428.97	2085.44	

Receipts include all sources per Form 109.
 Maintenance excludes Depreciation, Insurance,
 Taxes and General Office Expense.

T O N O M I N E

STATEMENT OF YARDAGE DRIVEN DURING THE CALENDAR YEAR

1 9 2 4

	<u>Entry</u>	<u>Slope</u>	<u>Airway</u>	<u>Roan</u>	<u>Total</u>	<u>Cost</u>
January	194	-	226	24	444	\$1415.18
February	157	-	158	12	327	991.29
March	106	-	116	20	242	724.41
April	151	-	147	4	302	913.60
May	197	-	162	-	359	1106.15
June	139	-	119	12	270	843.90
July	173	-	141	12	326	1009.90
August	108	-	165	4	277	826.82
September	139	33	171	8	351	1038.63
October	225	79	188	16	508	1653.27
November	89	65	165	16	335	1089.34
December	<u>213</u>	<u>69</u>	<u>255</u>	<u>32</u>	<u>569</u>	<u>1819.01</u>
TOTAL	1891	246	2013	160	4310	13431.50
1923	2159	-	1551	122	3832	12014.82
1922	1062	-	1061	59	2182	6607.24

T O N O M I N E
STATEMENT OF EXPENDITURES ACCOUNT "CONSTRUCTION"
FOR THE CALENDAR YEAR
1 9 2 4

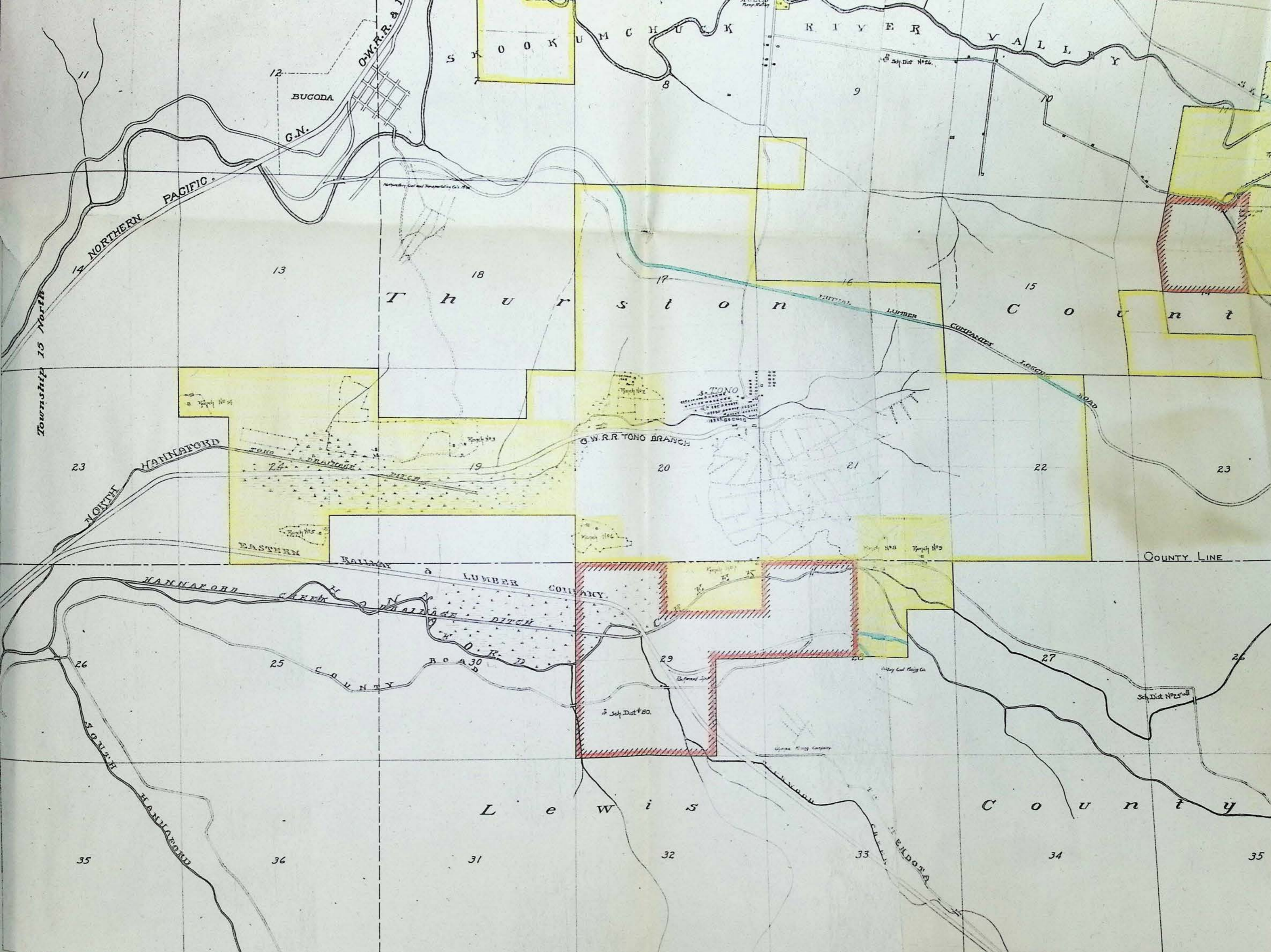
	<u>Amount</u>
Electrification Mine Fan Drive	\$ 1420.44
Show Cases - Mdse. Dept.	274.00
Refrigerating Plant - Mdse. Dept.	2142.92
Drainage Ditch No. 1	11623.06
Car Feeder	3921.39
Track Scale	<u>4538.51</u>
	\$23920.32

T O N O M I N E

MISCELLANEOUS STATEMENT FOR THE CALENDAR YEAR

1 9 2 4

	<u>1922</u>	<u>1923</u>	<u>1924</u>
Total Tons Produced	178850	252843	263788
Days Mine Operated	146½	230½	231
Days Worked by Miners-Contract	14982	21378	22500
Days Worked by all Others	16128	20287	20276
Days Worked by all Employes	31110	41665	42776
Tons per Contract Miner	11.9	11.8	11.7
Tons per all Others	11.0	12.4	13.0
Tons per all Employes	5.7	6.0	6.2
Kegs of Powder Used	3291	5037	6259
Tons Coal per Keg of Powder	54.3	50.2	41.
Fatal Accidents	1	2	None
Non-Fatal Accidents (Serious)	1	2	1
Industrial Insurance Premiums	\$7135.86	\$7805.51	\$8738.05
Cost per Ton	.038	.031	.033
Payments to Medical Aid Fund	362.48	625.32	1177.41
Cost per Ton	.002	.0024	.0044



Range 2 West

Range 1 West

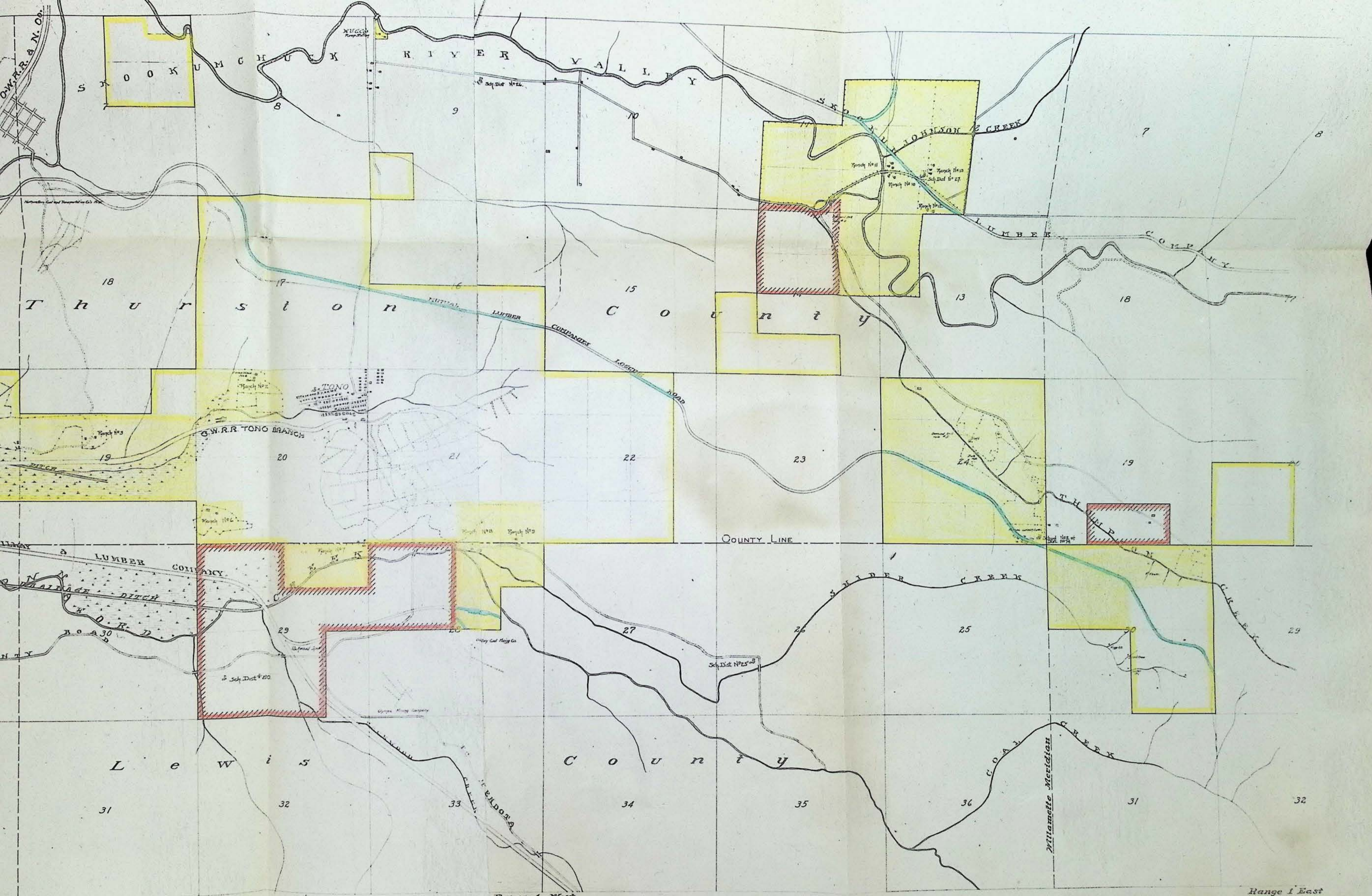
GENERAL MAP
SHOWING
PROPERTY AND IMPROVEMENTS
OF THE

WASHINGTON UNION COAL COMPANY

IN
LEWIS AND THURSTON COUNTIES

Scale - 1 inch = 1000 feet
Tono, Wash. - In 325 - W. 1/4 - 1/4

- Surface holdings
- Mineral rights



GENERAL MAP
 SHOWING
 PROPERTY AND IMPROVEMENTS
 OF THE
WASHINGTON UNION COAL COMPANY
 IN
 LEWIS AND THURSTON COUNTIES
 Scale - 1 inch = 1000 feet
 Tong, Wash. - Jan. 1925 - Wm. Mann, Supt.

- Surface holdings
- " " under lease
- Mineral rights
- R.R. Right-of-Way under Lease

581-23

ANNUAL REPORT

WASHINGTON UNION COAL COMPANY

1921

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WASHINGTON UNION COAL COMPANY

Tono, Washington

Mr. J. D. Farrell, President.
Washington Union Coal Co.
Seattle, Washington.

Dear Sir:

I beg to submit report on the properties of the Washington Union Coal Company for the calendar year 1921 as follows:

HOLDINGS: There has been no change in the total acreage holdings of the Company, and but slight changes in the acreages of tillable, semi-cleared, logged off and timbered areas.

GENERAL STATEMENT: Total output for the year was 253,508 tons as compared to 257,270 tons for the year 1920. During the past year the mine operated a total of 211 days as against 234½ days for 1920, with an increase in output per day of 104 tons over that for 1920. Lack of demand for the coal was the sole cause for drop in output.

The requirements of the O-WRR&N Company for the year were fully met, being 228,765 tons as compared to 231,629 tons for 1920. Coal sold the Commercial market was 16,411 tons as compared to 18,075 tons for 1920. Our established policy of fully providing for the O-WRR&N Company requirements prevented a greater commercial sale, for in order to

secure the business of some consumers we would have to contract for winter delivery, and this might interfere with filling the Railroad Company's order at that season of the year.

The general condition of the mine has been well cared for; haulage roads, traveling ways and aircourses are in good condition. The policy of keeping the development work well up to the mines requirements has been observed, and is indeed necessary in order that full knowledge may be had as to faults and irregularities in pitch of seam to enable the best haulage grades and plan of work being used to work out the coal. The mine has suffered no interruptions account labor disputes. No fatal and but two serious accidents have occurred during the year. Mine drainage for the present is well provided for. Mine buildings are in reasonably good state of repair.

On account of the high rate of wages prevailing at the mine, we have found it cheaper to buy practically all of our mine props from outside sources.

FIRST AID: Due to the disturbed conditions prevailing at a number of the mines, no State Meet of First Aid and Mine Rescue Contests were held in Washington this year. We did, however, have a representative of the Seattle Mine Rescue Station come to Tono and train a class of 27 employes in both Helmet and First Aid work, 17 of whom received certificates in First Aid and 10 in Mine Rescue work. We now have 45 employes capable of administering First Aid; also 20 that are trained in the use of the Helmet apparatus. The new equipment purchased this year fits us up very well in

this respect.

LABOR: During the year this mine has suffered no interruption of work account labor difficulties or disputes. On March 15th, 1921, all the commercial coal mines of the State, excepting the Bellingham Coal Co., the Roslym-Cascade Co. and two non-union mines near Centralia owned and operated by Greeks, closed down claiming they could not without loss pay the wage scale demanded by the Union miners. After being idle several months a Commission consisting of two Operators, two Miners and a Mining Engineer were selected by the State Department of Labor to make full investigation, report their findings and give recommendations for an adjustment that would permit the mines to re-open. The recommendation of this Commission, chief of which that wages be reduced to the October-1919 scale, was later rejected by the Miners Union, with a result that nearly all of the commercial mines involved broke with the Union and started their mines open shop, paying the October-1919 wage scale, which ranges from 20% to 30% less than present Union Scale.

MAJOR REPAIRS AND RENEWALS: Aside from items detailed elsewhere in this report, the following major expenditures have been made: \$475.00 for new mules necessary to take the places of those incapacitated through injury, &c. \$1750.00 was expended for new wheels, axles, iron and bolts in the replacement of worn-out mine cars, necessary to keep this equipment in reasonable good working order. \$1900.00 was expended for new roofs, &c. on old tenements, hall, store and hospital.

CAMP: Alleys and Toilets have been kept reasonably clean, ditches kept open and roads kept in reasonable repair. For this purpose some gravel has been used and much more will be required to obtain best service from Auto Truck now used.

Tenements have received the usual attention in the way of necessary upkeep and repairs, a considerable number of which are now in need of repainting. No epidemic or serious sickness has occurred here during the year.

WATER SUPPLY: The quality and quantity of domestic water is excellent. Three cash prizes of \$15, \$10 and \$5 were awarded for the best kept premises in Tono during last summer and accomplished much in stimulating interest in this respect.

MINE: As pretiously stated, the underground workings, haulage roads, aircourses, traveling ways and drainage are in good condition. Actual mining at the face both in the advancing and retreating areas is given close attention to the end that as complete extraction of coal as possible, consistent with safe and economical operation, may ensue.

While no actual fires have occurred in any part of the mine this year and the areas already sealed off on account of fires have given no trouble, we did, however, find it necessary to seal off pillars Nos. 1 to 5 inclusive in No. 4 Entry on 3rd South Plane account caved ground within that area heating up and discharging fire fumes. This caused an expenditure of \$225.00 and a loss in unmined coal of some 1900 tons. The principal cause of this heating was slowness of working out the coal owing to unusual amount of idle time account little demand for coal. No faults have been encountered

in this year's development work.

\$2100.00 was expended on haulage road to replace a portion of 3rd East Entry off 2nd North Slope, necessary to permit sealing off a section of old workings as a fire preventative, and to improve the haulage grade.

\$650.00 was expended on grading the 6th North parting, No. 1 North Slope, necessary to obtain reasonable haulage grades.

\$800.00 was expended on driving and equipping the 6th North gravity plane, necessary to mine out coal above fault at that point.

\$600.00 was expended in enlarging main airway to facilitate increased volume of air produced by new fan. This work is still under way.

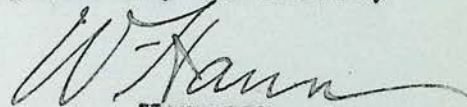
The mine pumps are in good repair and barring unforeseen contingencies are well able to take care of the mines' requirements.

MERCHANDISE STORE AND MARKET: The total volume of business transacted by these two departments was approximately 3-9/10% less than in 1920. The Gross Profit was approximately 4-7/10 of 1% more than for 1920 and the Gross Expenses, Depreciation, &c., were 15.6% more than in 1920, but included in the latter for 1921 were the unusual expenses for New Cash Register \$760.00 and major repairs on Store Building amounting to some \$900.00; also some \$700.00 due to higher wages paid during all of 1921 as compared with only about six months of 1920, which amounts practically account for

the increase in operating expenses for 1921, and more than accounts for the drop in net revenue of \$1364.98 in 1921 as compared with 1920. A statement of the operation of the Merchandise Department is appended hereto.

These departments have, to a very large extent, given courteous and efficient service, all reasonable effort having been put forth to satisfy the trade, and this practice and policy will be continued.

Respectfully submitted,


Manager.

T O N O M I N E
 STATEMENT OF TONNAGE SHIPPED DURING THE CALENDAR YEAR
 1 9 2 1

	<u>Lump</u>	<u>Mine Run</u>	<u>Totals</u>
January-1921	1575	20835	22410
February	1541	23438	24979
March	1500	22301	23801
April	933	18765	19698
May	669	21146	21815
June	474	17911	18385
July	307	13087	13394
August	1087	17704	18791
September	1798	20029	21827
October	2125	22635	24760
November	1247	20455	21702
December	<u>1813</u>	<u>20133</u>	<u>21946</u>
	15069	238439	253508
1920	15921	241349	257270
1919	10056	203281	213337

T O N O M I N E

DISTRIBUTION OF COAL SHIPMENTS FOR THE CALENDAR YEAR 1921.

	<u>Jump</u>	<u>Commercial Mine Run</u>	<u>O-WRRAN</u>	<u>Local & Co. Use</u>	<u>Totals</u>
January-1921	1575	58	19902	875	22410
February	1541	95	22492	851	24979
March	1500	353	21106	842	23801
April	933	115	18003	647	19698
May	669	58	20476	612	21815
June	474		17302	609	18385
July	307	58	12592	437	13394
August	1087	57	17098	549	18791
September	1798	57	19473	499	21827
October	2125	212	21712	711	24760
November	1247	114	19536	805	21702
December	<u>1813</u>	<u>165</u>	<u>19073</u>	<u>895</u>	<u>21946</u>
	15069	1342	228765	8332	253508
1920	15921	2154	231629	7566	257270
1919	10056	4151	192105	7025	213337

T O N O M I N E
 STATEMENT OF COST OF COAL, PER TONS SOLD, PER FORM 89,
 FOR THE CALENDAR YEAR 1 9 2 1.

	<u>Tonnage</u>	<u>Amount</u>	<u>Cost per ton</u>
January-1921	22410	\$40316.52	\$ 1.798
February	24979	41983.78	1.680
March	23801	42130.37	1.770
April	19698	36473.80	1.851
May	21815	38374.40	1.813
June	18385	33860.39	1.841
July	13394	26237.73	1.958
August	18791	33312.57	1.772
September	21827	36141.81	1.656
October	24760	41818.85	1.689
November	21702	38338.26	1.766
December	<u>21946</u>	<u>39189.05</u>	<u>1.785</u>
	253508	448177.53	AVE. 1.769
1920	257270	429198.34	1.665
1919	213337	316438.51	1.483

T O N O M I N E

DETAILS OF COST OF COAL, PER TONS SOLD, PER FORM 89, FOR THE
CALENDAR YEAR 1921.

	<u>Maintenance</u>	<u>Air, Drainage & Light</u>	<u>Mining</u>	<u>Hauling</u>	<u>Weigh.& Loading</u>	<u>Developm't</u>	<u>Sup't.</u>	<u>Total</u>
January-1921	.250	.107	.942	.278	.066	.052	.103	1.798
February	.163	.086	.978	.238	.064	.062	.089	1.680
March	.209	.112	.959	.249	.064	.083	.094	1.770
April	.211	.123	.995	.282	.065	.058	.117	1.851
May	.218	.100	.998	.248	.065	.078	.106	1.813
June	.225	.123	.984	.270	.065	.050	.124	1.841
July	.231	.170	.987	.300	.072	.037	.161	1.958
August	.224	.113	.969	.256	.066	.021	.123	1.772
September	.179	.084	.964	.232	.059	.036	.102	1.656
October	.211	.090	.948	.243	.060	.042	.095	1.689
November	.231	.096	.935	.280	.061	.060	.103	1.766
December	.226	.101	.962	.275	.059	.053	.109	1.785

T O N O M I N E

STATEMENT OF YARDAGE DRIVEN DURING THE CALENDAR YEAR

1 9 2 1

	<u>Entry</u>	<u>Airway</u>	<u>Room</u>	<u>Total</u>	<u>Cost</u>
January-1921	97	157	12	266	\$ 755.61
February	136	211	8	355	1041.61
March	149	150	48	347	1066.83
April	113	167	8	288	855.24
May	99	193	12	304	916.43
June	122	136	24	282	843.13
July	2	82	12	96	265.04
August	32	103	4	139	372.94
September	83	154	22	259	741.04
October	120	227	18	365	1053.00
November	148	267	16	431	1290.83
December	<u>143</u>	<u>189</u>	<u>8</u>	<u>340</u>	<u>1010.18</u>
	1244	2036	192	3472	\$10211.88
1920	2449	2192	176	4817	18095.21
1919	2387	1576	593	4556	12665.85

T O N O M I N E

STATEMENT OF REAL ESTATE DEPARTMENT (TENEMENT) RECEIPTS
AND MAINTENANCE EXPENSE FOR THE CALENDAR YEAR 1 9 2 1.

	<u>Receipts</u>	<u>Maintenance</u>	<u>Difference</u>
January-1921	\$ 794.95	\$ 472.93	
February	808.10	498.81	
March	800.45	471.24	
April	808.60	760.94	
May	796.27	1600.98	
June	783.65	1009.75	
July	794.08	856.98	
August	808.34	863.61	
September	799.05	606.76	
October	781.32	989.17	
November	832.59	947.78	
December	<u>896.29</u>	<u>1022.53</u>	
	9703.69	10101.48	397.79
LEASED LANDS	4063.21	81.44	3981.77

T O N O M I N E

STATEMENT OF COMMERCIAL LIGHTING PLANT RECEIPTS AND
ALL EXPENSES FOR THE CALENDAR YEAR 1921.

	<u>Receipts</u>	<u>Expenses</u>	<u>Net Receipts</u>
January-1921	\$ 279.34	\$ 268.15	
February	283.00	246.92	
March	283.00	276.05	
April	288.00	264.30	
May	273.50	250.81	
June	279.00	266.97	
July	280.74	220.09	
August	271.86	232.71	
September	286.50	205.22	
October	273.03	253.13	
November	288.97	252.16	
December	<u>314.93</u>	<u>297.67</u>	
	3401.87	3034.18	357.69
1920	3226.68	2682.49	544.19
1919	3076.92	2278.39	798.53

T O N O M I N E

STATEMENT OF WATER PLANT RECEIPTS AND MAINTENANCE
EXPENSE FOR THE CALENDAR YEAR 1921.

	<u>Receipts</u>	<u>Maintenance</u>	<u>Difference</u>
January-1921	\$ 179.42	\$ 140.55	
February	181.00	134.12	
March	181.00	108.77	
April	181.00	115.49	
May	180.00	246.27	
June	179.00	173.36	
July	180.04	358.04	
August	179.68	286.29	
September	177.00	130.25	
October	185.23	573.09	
November	173.21	129.25	
December	<u>181.63</u>	<u>179.86</u>	
	2158.21	2581.34	423.13
1920	2287.71	1623.93	663.78
1919	1885.71	1571.66	314.05

T O N O M I N E

STATEMENT OF EXPENDITURES ACCOUNT "CONSTRUCTION" FOR
THE CALENDAR YEAR 1921.

<u>Item</u>	<u>Expended</u>
Bath House	\$ 1452.43
New Pit Cars	2592.48
New Hoist & Building	998.07
Machine Shop & Equipment	167.09
New Tenements	14413.21 #
Roads & Streets	1554.02 #
Centrifugal Pump	449.57
Cash Register (Store)	397.25
Raising Water Tanks	465.90
Auto Truck 1½-Ton	2863.86
Mine Rescue Apparatus	1289.17
Multivane Fan	8143.55
Meat Market	1319.96

Incomplete

T O N O M I N E

MISCELLANEOUS STATEMENT FOR THE CALENDAR YEAR 1921.

Total tons produced,	253,508
Days Mine Worked,	211
Days Worked by Miners,	21,012
Days Worked by All Others,	23,905
Days Worked by All Employes	44,917
Tons per Day for Each Miner,	12.6
Tons per Day for All Others,	10.6
Tons per Day for All Employes,	5.6
Kegs of Powder Used,	5,237
Tons Coal per Keg Powder,	48
Fatal Accidents	None
Non-Fatal Accidents (Serious)	2
Amount Paid Washington Industrial Insurance Department,	\$1,851.79
Cost per Ton	.0136

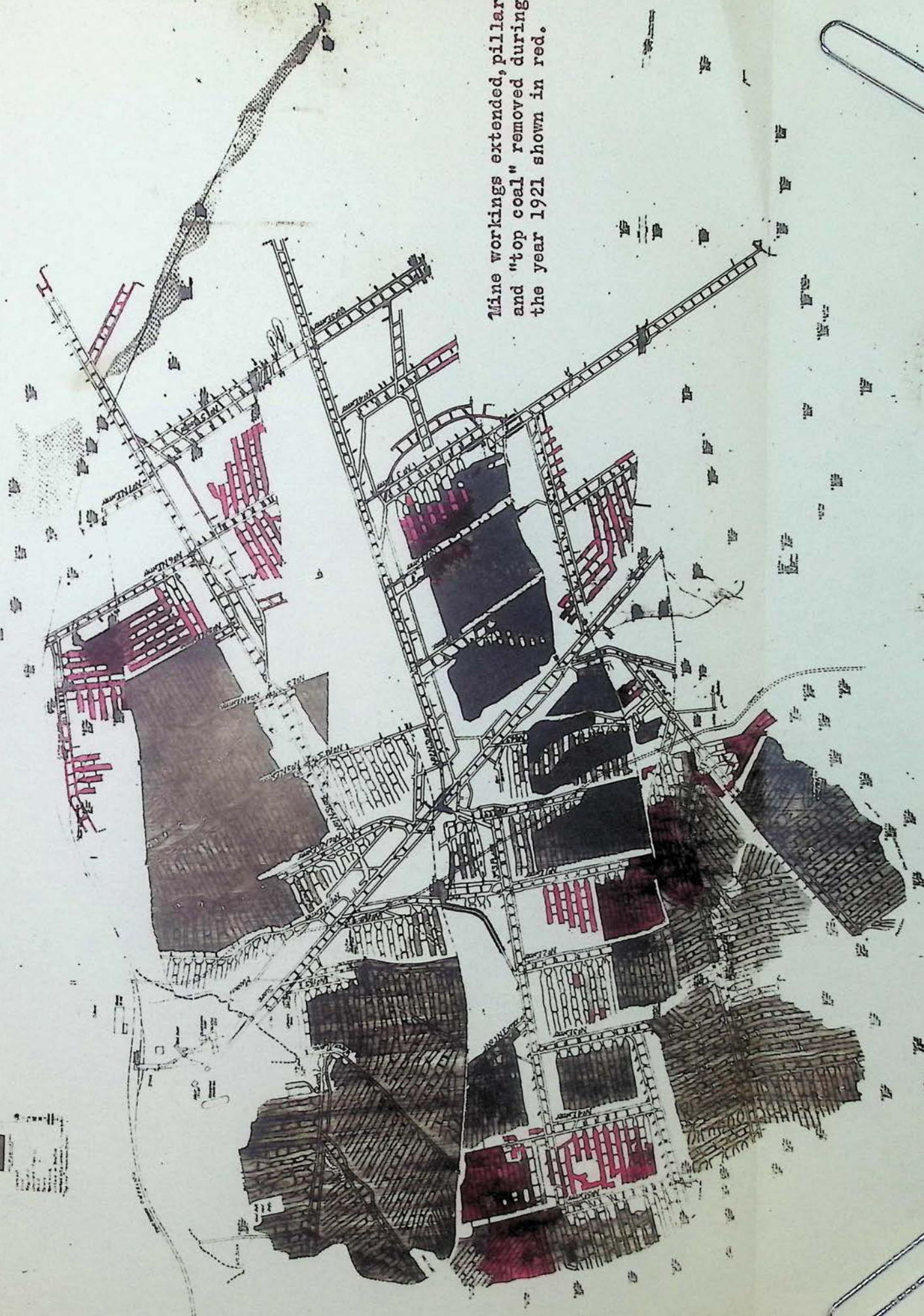
T O N O M I N E

STATEMENT OF STORE OPERATIONS FOR THE CALENDAR YEAR 1921.

Merchandise Sales		\$116,694.72
Inventory December 31-1920	\$ 14,937.68	
Purchases - 1921	<u>96,798.55</u>	
	111,734.54	
Inventory December 31-1921	<u>16,327.00</u>	
Cost of Merchandise Sold		<u>95,407.54</u>
Gross Profit		21,287.18
Misc. Earnings (Pool Hall, Telephone &c)		<u>2,410.77</u>
Gross Revenue		23,697.95
Gross Expense, Depreciation, &c.		<u>15,995.37</u>
Net Revenue		7,702.58

Mine workings extended, pillars and "top coal" removed during the year 1921 shown in red.

MANSFORD MINE No 1
MINE WORKINGS
SHEETS 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000



WASHINGTON UNION COAL COMPANY

TONO MINE

ANNUAL REPORT

1920

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Map

WASHINGTON UNION COAL COMPANY

Tono, Washington
January
Thirty-first
Nineteen Twenty-one

Mr. J. D. Farrell, President.
Washington Union Coal Co.
Seattle, Washington.

Dear Sir:

Have the honor to report on the properties of the Washington Union Coal Company for the calendar year 1920, as follows:

HOLDINGS:

There has been no change in the total acreage holdings of this Company from former reports, although there has been some slight changes in the acreages of tillable, semi-cleared, logged off and timbered areas.

GENERAL STATEMENT:

The requirements of the Oregon-Washington Railroad & Navigation Company for Tono Coal for the year 1920 have been fully met, being 231,629 tons as compared with 192,105 tons for 1919.

Coal sold to the Commercial market was 18,075 tons as compared to 14,207 tons for 1919. Our policy of fully providing for the O-WRR&N Co. requirements prevented a greater commercial tonnage being sold, for in order to obtain commercial

trade of a certain class we would have to contract for winter delivery and this would probably interfere with filling the Railroad Company's order at that season of the year.

The general condition of the mine has been well kept up; haulage roads, traveling ways and aircourses are in good condition, and development work well up to the mines requirements. The mine has suffered no interruptions account labor disputes; has had no fatal accidents and few serious ones, and no mine fires during the year. With the completion of additional pumping unit now under way, the mine drainage will be, for the present, fairly well provided for.

Mine buildings are in good reasonable state of repair.

On account of the high rate of wages prevailing in and around the mines, we have found it best to buy a quantity of mine props from outside parties.

FIRST AID:

Reasonable efforts have been put forth to stimulate and keep up interest in this work and on the whole it is gaining gradually and bearing good fruit. Some forty of our inside and outside employes have had this training and it would be rare indeed for an accident to occur and no "first aid man" available at once for it. As required by Law, first aid supplies are kept at various places in the mine.

Our Company was represented by a First Aid and Mine Rescue Team of six men at the State wide meet at Roslyn on August 14th, 1920. Out of a total of eleven teams competing

we ran third in Mine Rescue work; first in two-man problem of First Aid and third in full team event, score 98 $\frac{1}{2}$ %. On all events, First Aid and Mine Rescue combined, we ran second.

LABOR:

No interruptions of work have resulted account labor difficulties or disputes. Two grievance cases of rather an important nature have been referred to the District Conciliation Board from Tono, and in each case the Company's position was sustained by the Board.

Two wage increases were granted the Mine Workers in this State during the year. In July the Special Commission for the State of Washington appointed by President Wilson awarded a wage increase of 7-6/10¢ on tonnage rates and an average of about 8¢ per day to Company paymen; and in August an additional increase of \$1.50 per day and 82¢ per day to men and boys respectively was granted to Company pay employees. These wage increases were demanded by the Mine Workers' organization of this State and backed by their National Union. Such demands were general throughout the Bituminous Districts of the Country.

MAJOR REPAIRS AND RENEWALS:

Aside from items covered by appropriations and detailed elsewhere in this report, expenditures have been made as indicated below:

\$260.00 was expended on remodeling and replacing the Tipple Scale. This Scale was condemned by the State Scale

Inspector and our miners were continually complaining regarding it.

\$835.00 was expended for four new mules necessary to take the place of those incapacitated through injury and death; also to provide for longer hauls.

\$800.00 was expended for new wheels and iron in the replacing of worn-out mine cars, necessary to keep this equipment in reasonable good working order.

\$397.00 was expended in the renewal of tenement No. 62 which was partly destroyed by fire in July, 1920.

\$600.00 was expended for new foundations, roofs, &c. of other tenements.

CAMP:

Alleys and Toilets have been kept reasonably clean and sanitary. Considerable ditching has been done to keep the main streets dry and a quantity of cinders have been put on them from time to time. However, it has been clearly demonstrated that it does not pay to attempt to keep these roads up with cinders, for they do not stand the traffic.

The Tenements have received the usual attention in the way of minor upkeep and repairs. It is now clearly apparent that the roofs of a number of them will have to be renewed next summer; also a considerable number of the houses should be re-painted. No epidemic or serious sickness has occurred here during the year.

WATER SUPPLY:

The quality of domestic water is excellent and with the

27

additional storage well which was completed early in the summer, the quantity is adequate for our present needs at least.

MINE:

As already stated, the underground workings, haulage roads, aircourses, traveling ways and drainage are in good condition. Actual mining at the face both in the advancing and retreating work is given close attention to the end that as complete extraction as possible consistent with safe and economical operation may ensue.

No fires have occurred in any part of the mine this year and the areas already sealed off on account of fires have given no trouble.

Fires of spontaneous origin, which are of more or less common occurrence in mines of this kind, cannot be entirely avoided; but constant watchfulness, coupled with being duly prepared to seal off and restrict to as small a section as practicable the areas in which it originates, is vitally important and this is the practice that is followed here.

No faults other than those mentioned in previous reports have been encountered during the year. Development work is well in advance of the mines' requirements and we shall endeavor to so keep it.

The mine pumps are in good repair and with the completion of the additional pumping unit now under way, the drainage facilities will be such as to take care of the mines present needs.

MERCHANDISE STORE & MEAT MARKET:

The volume of business transacted by the Store and Meat Market was 46% greater in 1920 than in 1919. A condensed statement of operations is shown elsewhere in this report. This showing is due largely to there being no labor disputes or strikes during the year; also to the failure of the Co-Operative Store at Centralia, for which a considerable number of our employes were boosters. It rather seems for the present at least that our men have had their lesson in Co-Operative store matters and probably will shy at similar ventures in the future.

RECOMMENDATIONS:

In my judgment it would be well to consider selling the surface only of several of our so-called farm lands. The Company's interest could, I think, be safeguarded through reservations for right-of-ways, for mining operations, &c. In these farm lands there are some 2088 acres, of which some 850 acres are more or less improved and includes only that which is under plow, the orchards and pasture lands.

Rentals from these leases for 1920,	\$2510.00
Based upon an average of 40¢ per acre for our entire surface lands the 1920 Tax on said 850 acres is,	\$340.00
Expense for repairs on Farm Buildings, &c.,	422.74
	<u>762.74</u>
Net Revenue	\$1747.26

These 850 acres should, I think, bring through sale an average price of \$55.00 per acre at least, or \$46,750.00 at 6% interest would be \$2805.00, or a gain in revenue over that

from the leases of \$1057.74. In addition to this it would tend to encourage more extensive improvements of these lands, thus adding to their value and resulting in greater tax returns, &c.

GENERAL CONDITIONS: Inasmuch as the Railroad Company's requirements of this coal is very spasmodic, ranging from 2000 to 6000 tons per week and in order to meet their maximum requirements we are compelled to sell some coal to the commercial trade to keep a sufficient working force together during their minimum demand period.

It is important that the development work be kept well in advance of the requirements of the mine to enable due advantage to be taken of irregularities of the seam to obtain best grade for haulage, &c., which will bear fruit in both economy and safety.

FIRST AID: The State Law now specifies certain requirements of mine employers and these at least must be observed. It is beneficial to all concerned.

LABOR: As organization of Employers is seemingly a necessity, the interests of the Washington Union Coal Company will undoubtedly be better served by continuing to work in unison with the Coal Operators of this State. The Miners Union would, I believe, take full advantage of any disruption amongst their employers. It is, of course, very hard to forecast as to mine labor conditions and wages for 1921, but judging from the present general depression of business and decrease in wages in many industries and surplus of labor,

the Mine Workers will do well indeed if they hold their present wage scale.

CAMP: The streets and main roads in town must be graveled or planked, for in places they are almost impassable in the winter time. Cinders from the mine boilers do not stand the traffic.


A number of tenements are in need of painting and other major repairs such as re-shingling, &c., and this work should be undertaken next summer.

MINE: Development work must be kept reasonably well in advance of the mines requirements so that full knowledge may be obtained of whatever conditions are thus revealed in the way of faults, unevenness of seam, &c., to the end that the coal may be mined and hauled efficiently.

A new fan of about 100,000 cubic feet capacity should be installed at an early date. The present fan of 50,000 ft. capacity is now inadequate for the mines needs, besides its housing and foundation are quite old.

MERCHANDISE STORE: This should be kept to a standard sufficient to meet the requirements of the Camp and community as to quantity and quality of goods handled. Only a fair profit should be made, and fair and courteous treatment accorded to all whether they purchase little or much.

Respectfully submitted,


Manager.

T O N O M I N E

STATEMENT OF TONNAGE SHIPPED DURING THE CALENDAR YEAR

1 9 2 0

	<u>Lump</u>	<u>Mine Run</u>	<u>Totals</u>
January, 1920	1267	25319	26586
February	919	24501	25420
March	901	23978	24879
April	909	14743	15652
May	418	17480	17898
June	650	19527	20177
July	781	15009	15790
August	2471	16371	18842
September	1924	15374	17298
October	2149	17987	20136
November	1624	24218	25842
December	<u>1908</u>	<u>26842</u>	<u>28750</u>
	15921	241349	257270
1919	10056	203281	213337

T O N O M I N E

DISTRIBUTION OF COAL SHIPMENTS FOR THE CALENDAR YEAR 1920.

	Commercial			Local %		Totals
	<u>Jump</u>	<u>Mine Run</u>	<u>O-WRRAN</u>	<u>Co. use</u>		
January, 1920	1267	207	24296	816		26586
February	919	78	23759	664		25420
March	901		23275	703		24879
April	909	38	14212	493		15652
May	418		16980	500		17898
June	650	77	18894	556		20177
July	781		14577	432		15790
August	2471	116	15741	514		18842
September	1924	170	14656	548		17298
October	2149	335	16933	719		20136
November	1624	375	22993	850		25842
December	1908	758	25313	771		28750
	15921	2154	231629	7566		257270
1919	10056	4151	192105	7025		213337

(Coal used under boilers, 5377 tons)

T O N O M I N E

STATEMENT OF COST OF COAL, PER TONS SOLD, PER FORM 89,
FOR THE CALENDAR YEAR 1920.

	<u>Tonnage</u>	<u>Amount</u>	<u>Cost per ton</u>
January, 1920	26586	\$42579.18	1.602
February	25420	39096.34	1.537
March	24879	39421.68	1.584
April	15652	28462.60	1.818
May	17898	30583.35	1.708
June	20177	31875.99	1.580
July	15790	26094.22	1.652
August	18842	33319.97	1.768
September	17298	31975.73	1.848
October	20136	36863.64	1.823
November	25842	41998.69	1.625
December	<u>28750</u>	<u>46926.95</u>	<u>1.632</u>
	257270	429198.34	1.665 AVG.
1919	213337	316438.51	1.483

T O N O M I N E

DETAILS OF COST OF COAL, PER TONS SOLD, PER FORM 89, FOR THE
CALENDAR YEAR 1920.

	<u>Maintenance</u>	<u>Air Drainage & Light</u>	<u>Lining</u>	<u>Hauling</u>	<u>Weigh. & Loading</u>	<u>Developm't.</u>	<u>Sup't.</u>	<u>Total</u>
January, 1920	.189	.077	.890	.205	.053	.090	.098	1.602
February	.166	.066	.875	.194	.049	.091	.096	1.537
March	.182	.082	.863	.222	.053	.087	.095	1.584
April	.292	.106	.896	.258	.059	.095	.112	1.818
May	.256	.087	.866	.237	.058	.086	.116	1.708
June	.184	.088	.868	.222	.057	.058	.103	1.580
July	.213	.077	.854	.263	.070	.040	.135	1.652
August	.204	.080	.965	.265	.067	.092	.095	1.768
September	.244	.103	.950	.280	.075	.064	.132	1.848
October	.239	.117	.953	.285	.066	.045	.118	1.823
November	.164	.067	.941	.252	.062	.049	.090	1.625
December	.179	.081	.931	.249	.062	.048	.082	1.632

T O N O M I N E

STATEMENT OF YARDAGE DRIVEN DURING THE CALENDAR YEAR

1 9 2 0

	<u>Entry</u>	<u>Airway</u>	<u>Room</u>	<u>Total</u>	<u>Cost</u>
January, 1920	265	203	10	478	\$2384.57
February	284	301	12	597	2305.84
March	256	329	32	617	2186.34
April	219	139	24	382	1494.04
May	253	196	16	465	1591.74
June	219	144	12	375	1176.62
July	111	76	8	195	628.45
August	177	119	28	324	1742.83
September	103	101	8	212	1120.80
October	155	159	6	320	916.27
November	213	189	4	406	1207.58
December	<u>194</u>	<u>236</u>	<u>16</u>	<u>446</u>	<u>1340.13</u>
	2449	2192	176	4817	18095.21
1 9 1 9	2387	1576	593	4556	12665.85

T O N O M I N E

STATEMENT OF REAL ESTATE DEPARTMENT (TENEMENT) RECEIPTS
AND MAINTENANCE EXPENSE FOR THE CALENDAR YEAR 1920.

	<u>Receipts</u>	<u>Maintenance</u>	<u>Difference</u>
January, 1920.	793.86	510.14	
February	776.10	713.33	
March	791.05	706.97	
April	788.88	504.55	
May	780.33	994.33	
June	778.67	676.36	
July	768.98	1730.71	
August	775.40	1148.67	
September	776.70	697.97	
October	783.71	765.36	
November	778.85	646.20	
December	<u>784.11</u>	<u>862.06</u>	
	9376.64	9956.65	580.01
Receipts and Main- tenance Expense other Property, for the Cal- endar Year, 1919:	4108.25	422.74	3685.51

T O N O M I N E

STATEMENT OF COMMERCIAL LIGHTING PLANT RECEIPTS AND
EXPENSES FOR THE CALENDAR YEAR 1920.

	<u>Receipts</u>	<u>Expenses</u>	<u>Net Receipts</u>
January, 1920	286.81	238.62	
February	256.80	198.19	
March	267.53	214.49	
April	272.00	180.87	
May	269.62	205.02	
June	266.83	212.47	
July	261.06	189.84	
August	261.74	211.86	
September	267.34	231.51	
October	267.54	256.40	
November	275.50	280.67	
December	<u>273.91</u>	<u>262.55</u>	
	3226.68	2682.49	544.19
1919	3076.92	2278.39	798.53

T O N O M I N E

STATEMENT OF WATER PLANT RECEIPTS AND MAINTENANCE
EXPENSE FOR THE CALENDAR YEAR 1920.

	<u>Receipts</u>	<u>Maintenance</u>	<u>Difference</u>
January, 1920	\$ 197.68	\$ 135.69	
February	186.39	124.00	
March	185.80	124.00	
April	192.00	131.78	
May	189.36	124.61	
June	190.08	133.72	
July	189.91	126.05	
August	197.33	130.15	
September	193.67	139.00	
October	192.52	168.61	
November	194.00	146.06	
December	<u>178.97</u>	<u>140.26</u>	
	2287.71	1623.93	663.78
1919	1885.71	1571.66	314.05

T O N O M I N E

STATEMENT OF EXPENDITURES ACCOUNT "CONSTRUCTION" FOR
THE CALENDAR YEAR 1920.

	<u>Authorized</u>	<u>Expended</u>
Bath House	\$9568.00	\$8067.30 ©
New Boiler & Stack	5690.00	5939.70
Hoist Engine & Bldg.	3650.00	4126.04 ©
Machine Shop & Equipment	6150.00	4604.37 ©
Fire Proof Vault	1000.00	995.00
Additional Well	1815.00	1910.17
Centrifugal Pump	2400.00	1955.22 ©
50 Pit Cars	<u>8750.00</u>	<u>6210.84</u> ©
	39023.00	33808.88

© Incomplete

T O N O M I N E

MISCELLANEOUS STATEMENT FOR CALENDAR YEAR 1920.

Total Tons Produced,	257,270
Days Mine Worked,	234 $\frac{1}{2}$
Days Worked by Miners,	20,978
Days Worked by all Others,	26,921
Days Worked by all Employes,	47,899
Tons per day for each Miner,	12.26
Tons per day for all Others,	9.55
Tons per day for all Employes,	5.37
Kegs of Powder Used,	5,229
Tons of Coal per Keg of Powder,	49
Fatal Accidents,	None
Non-Fatal Accidents,	17
Tons per Fatal Accident,	---
Tons per Non-Fatal Accident,	15,133
Amount paid Washington Industrial	
Insurance Department,	\$ 4,014.48
Cost per Ton,0158

T O N O M I N E

STATEMENT OF STORE OPERATIONS FOR THE CALENDAR YEAR 1920.

Merchandise Sales		\$121,429.13
Inventory December 31, 1919,	\$ 13,810.50	
Purchases, 1920	<u>102,107.41</u>	
	115,917.91	
Inventory December 31, 1920,	<u>14,937.68</u>	
Cost of Merchandise Sold		<u>100,242.40</u>
Gross Profit		21,186.73
Miscellaneous Earnings		<u>1,729.94</u>
Gross Revenue		22,916.67
Gross Expense, Depreciation, &c.,		<u>13,839.11</u>
Net Revenue		\$ 9,077.56

Merchandise Sales 1919:	\$82,066.54
Gross Expense including Depreciation, &c.,	10,358.46
Net Revenue	6,358.76

Ranch and Lease Numbers, Lessee and Sub-division:	Yearly Rental	Total Acres	Acres Orchard	Acres Cleared	Acres Semi- Cleared	Acres Logged-Off	Acres Timber	Acres Swamp	Acres River	Acres RR R/W
R-2 L-X, <u>Matt Kruger</u> Part of NW $\frac{1}{4}$ 20-15-1W	\$ 120.	20.68	89 T 1.44	1.7	10.4		7.14			
R-2 L-X, <u>J. A. Veness</u> Lumber Co. Part of above	260.	12.7		3.	7.7	2.				
R-2 L-X, <u>H. A. Baldwin</u> Part of above	3.	.55				.55				
R-2 L-X, <u>Tono Mill Co.</u> Part of above	112.									
<u>Sundry Persons, pasturage,</u> <u>&c. in part of above</u>	500.	126.07		20.46	8.48	62.85		22.1		12.18
R-3 L-108, <u>A. K. Clemens</u> NE $\frac{1}{4}$ -SW $\frac{1}{4}$ & S $\frac{1}{2}$ -NW $\frac{1}{4}$ of Sec. 19-15-1W	200.	158.23	123 T 1.29	49.	59.77	33.88				14.29
R-4 L-111, <u>Paul Erzen</u> NE $\frac{1}{4}$ & SE $\frac{1}{4}$ -NW $\frac{1}{4}$ & NE $\frac{1}{4}$ -NW $\frac{1}{4}$, Sec. 24-15-2W	160.	280.	37 T	33.62	85.35	20.	112.6	28.43		
R-5 L-X, <u>John Mocan</u> W $\frac{1}{2}$ -SE $\frac{1}{4}$, E $\frac{1}{2}$ -SW $\frac{1}{4}$, NE $\frac{1}{4}$ -SE $\frac{1}{4}$ Sec. 24-15-2W	180.	280.	320 T 1.83	28.72	33.60		40.	79.99		7.11 5.75
R-6 L-X, <u>A. Regard</u> S $\frac{1}{2}$ -SW $\frac{1}{4}$ Sec. 20-15-1W	60.	80.	92 T 1.79	7.47	5.48	65.26				
R-7 L-109, <u>John Robertson</u> E $\frac{1}{2}$ -NE $\frac{1}{4}$ Sec. 29 and part in SE $\frac{1}{4}$ -SW $\frac{1}{4}$ Sec. 21-15-1W	260.	80.	45 T .9	41.04	6.75 20.80	15.81	1.45			
R-8 L-108, <u>D. F. Bishop</u> W $\frac{1}{2}$ -NE $\frac{1}{4}$ Sec. 28 & SW $\frac{1}{4}$ -SE $\frac{1}{4}$ Sec. 21-15-1W	195.	120.	31 T .49	35.19	12.54	40.	31.78			
<u>Hannaford Creek Logging Co.</u> R/W across part of SW $\frac{1}{4}$ -NE $\frac{1}{4}$ Sec. 28-15-1W	20.									
<u>Victory Coal Mining Co.</u> R/W in part of above	10.									
R-9 L-113, <u>R. J. Wigley</u> NE $\frac{1}{4}$ -NE $\frac{1}{4}$ Sec. 28 & SE $\frac{1}{4}$ -SE $\frac{1}{4}$ Sec. 21-15-1W	155.	80.		34.	33.22	12.78				
R-10 L-103, <u>Lester Ritter</u> Part in SW $\frac{1}{4}$ -SW $\frac{1}{4}$ Sec. 12 & part in SE $\frac{1}{4}$ -SE $\frac{1}{4}$ of Sec. 11 & E $\frac{1}{2}$ -NW $\frac{1}{4}$ of 14-15-1W	210.	152.13	60 T .63	33.25	24.18	80.		10.94	2.88	.25
R-11 L-107, <u>Adolph Troller</u> Part of SW $\frac{1}{4}$ -NW $\frac{1}{4}$, part of W $\frac{1}{2}$ - SW $\frac{1}{4}$; part of SE $\frac{1}{4}$ -NE $\frac{1}{4}$ and part of E $\frac{1}{2}$ -SW $\frac{1}{4}$ Sec. 11-15-1W	250.	306.35	74 T 1.11	22.05	22.43	252.94			6.	1.82
R-12 L-112, <u>Sam Prince</u> W $\frac{1}{2}$ -NW $\frac{1}{4}$ of Sec. 13, part of SE $\frac{1}{4}$ -SW $\frac{1}{4}$ and part of SW $\frac{1}{4}$ -SW $\frac{1}{4}$ 12-15-1W	310.	102.5	43 T 1.44	67.38	8.93	15.24			8.32	1.19
R-13 L-110, <u>Leonard Ritter</u> SE $\frac{1}{4}$ -NW $\frac{1}{4}$ and part in E $\frac{1}{2}$ -SW $\frac{1}{4}$ Sec. 12-15-1W	150.	102.5	37 T	21.83	48.91	31.76				
R-15 L-X, <u>Louis Nelson</u> NE $\frac{1}{4}$ of Sec. 30-15-1E	60.	160.	35 T .32	16.	30.83		112.85			
R-16 L-104, <u>Thos. Richards</u> S $\frac{1}{2}$ Sec. 24-15-1W & NW $\frac{1}{4}$ of Sec. 30-15-1E	50.	480.	174 T 2.72	33.27	48.34	355.67	360.			
L-114, <u>Morgan Davies</u> NE $\frac{1}{4}$ -Sec. 24-15-1W	100.	160.								
L-15, <u>H. G. McElfresh</u> NW $\frac{1}{4}$ -Sec. 24-15-1W	50.	160.								
<u>Skookum Railway & Log. Co.</u> .92 Acres in Sec. 11 & 12 R 15-1W for RR R/W	20.									
	3435	2790.66	18.96 1267 Trees	448.18	467.71	988.74	665.82	141.46	17.20	42.59

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ANNUAL REPORT

WASHINGTON UNION COAL COMPANY

1919

TONO MINE

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Map

WASHINGTON UNION COAL COMPANY

Tono, Washington
 January
 Thirtieth
 Nineteen Twenty

Mr. J. D. Farrell, President.
 Washington Union Coal Co.
 Portland, Oregon.

Dear Sir:

Have the honor to report on the properties
 of the Washington Union Coal Company for 1919, as follows:

HOLDINGS:

Acreage (original purchase)	6,941.2
Pumping Site	<u>2.8</u>
	6,944.
Less O-WRR&N Right-of-Way	<u>35.4</u>
	6,908.6

Sub-divided as follows:

Mineral rights only	896.5
Timber reserved	2,623.97
Coal and Timber	3,385.33
Pumping site	<u>2.8</u>
	6,908.6

Sub-division of Coal and Timber holdings mentioned
 above, are as follows:

Tillable	564.8
Semi-cleared	501.5
Logged off	1,319.5
Timbered	750.
Orchard	17.5
Swamp Lands	232.03
Pumping Site	<u>2.8</u>

3,388.13

Included under the head of subdivision of coal and timber holdings are several leases of land for agricultural and industrial purposes, which are detailed on another page of this report. As will be noted, there has been no change in the acreage.

Am meeting our ranch Lessee half-way on the rebuilding of fences, the roofing of houses and barns. With the return of normal conditions we should arrange with those who are desirable tenants three and five-year leases, which will then permit work to be done of an improvement nature that they won't do under a lease running from year to year.

GENERAL CONDITIONS:

The requirements of the O-WRR&N Lines being less than a year ago, our tonnage was correspondingly less.

Our tenements were filled at all times, and the applicants for work more numerous than jobs.

The high wages paid by saw mills, coal mines and the smaller industry made it difficult to secure mine timbers. We were driven to buying timber near Tono and cut and hauled it to the mine to maintain our supply.

FIRST AID:

We have more than forty certified men in Camp,

twenty percent of whom have lost all interest in it. As they are scattered through the mine, a first aid man is never far from where the accident occurs. Each Entry has a first aid box with required supplies, so all injuries get first aid treatment before the man is brought to the surface.

We took two teams to the State Wide Field day at Black Diamond and took third prize in a field of ten. Believing a strike would come, as it did, the Operators of the state did not feel like having a Field Day; but the Bureau of Mines had set the Nation Wide Field Day and Washington had a State Day rather than appear indifferent to first aid work.

Assist all employes interested in the work in every way possible.

LABOR:

Our men were ready and willing to lay down their tools on November 1st, 1919, and answered the strike order 100%. The conservatives who felt the demands of the miners radical, had ceased to oppose them, for the leaders had promised to secure every demand made. By freezing and starving the public, tying up all transportation lines and demanding nationalization of all coal mines. The public would not freeze or starve, the government would not permit the movement of trains to be interfered with, the Operators would not stand for nationalization of their mines, so they would win the strike in a short time and get what they wanted. An element that was not given much

publicity was a factor in the strike and that was, England had made such concessions to the coal miner that coal prices there were abnormally high. To permit their brothers overseas to continue to secure all of the benefits from their settlement, American coals must cost so much on board cars at mines that prices for bunker and export coals would be so high that American coals would not make ruinious competition for foreign coals.

The Federal Government pronounced the demand of the miner unlawful and unreasonable, but two branches of it were busy night and day trying to placate the United Mine Workers by giving them enough to get the mines started and not having to apply the penalties their acts were punishable by, under the laws of this country.

The Secretary of Labor attempted to have the Operators offer the miner a 31% increase in wages, 7-hour day bank to bank and half Holiday Saturdays. In effect this would be a 6-hour working day and a 5-day week. The Operators refused to make the offer to the miners, and the miners declared it was not satisfactory if offered to them.

The Attorney General of the United States, after putting the fear of jail sentences and fines into the hearts of the Mine Worker leaders, made a settlement with them. No representative of the Coal Operators or of the Fuel Administration were present, and the terms were not made public until the Mine Workers could present them to their joint Committee.

At this time disintegration was apparent in Pennsylvania among the U. M. W. of A. membership, Ohio membership reported ready to go to work if Pennsylvania broke. Non-Union coal standing on side tracks, Non-Union miners producing more coal than ever before per man employed; Wyoming, Utah and Kansas strip mines and Colorado and New Mexico all working, was having a disheartening effect on the membership.

The Secretary of Labor's satellites saw what might develop unless the government took other than their stand at that time, which we believed was to vindicate the majesty of the law. Through the Department of Labor a meeting between the leaders of the U.M.W.of A. and Atty. Gen. Palmer was brought about and the "Palmer Agreement" reached. This agreement provided a Commission of three men, appointed by the President, to sit in Washington and investigate the earnings of the mine workers, the local conditions governing them and the living expenses they were subjected to. For the Operator, costs of production, selling prices, profits from coal sales and revenue from other sources at the coal mines, and with this information make a wage for the mine worker and selling price for the coal.

We are confident from the utterances of Mine Worker officials that Atty. Genl. Palmer promised them more than the foregoing, and know they expect this Commission to make retroactive to date of resumption of work any increases they give them. Also when the Commission have agreed upon

their findings, the miner expects to take all the Commission has given him, come to the Operator and demand a Contract upon the basis of the findings of the Commission. Were they to accept the findings of the Commission, even if greatly to their advantage, a precedent of the acceptance of compulsory arbitration would be established and this the miner will fight. "Never arbitrate anything until you know you have gotten all possible from the Operator; what you get after arbitration is velvet" is the creed of the mine worker.

The Mine Workers feel so sure that this Commission has unlimited power in the coal controversy, that they will put up to it the question of making a closed shop in coal mining in the State of Washington.

UNUSUAL EXPENSE:

Track Sales \$881.77. Renewed all scale timbers and decking on front track scales; put concrete piers under all bearings where timbers had formerly been used. Both sets of track scales have been overhauled now, concrete piers and steel rails being used, in hopes they will weigh correctly and pass inspection by the State Weighmaster.

RENEWALS:

Six Mine Mules, \$1413.00

190 Pit Car Wheels \$809.40

We have not had a new pit car in eight years. Have rebuilt the old ones from native lumber and renewed the wheels. Have some new ones on the Budget and hope we will get them, for the more extensive the workings the

more cars required.

CAMP:

Kept Camp alleys and streets clean; have had no epidemics among children or adults. Streets and sidewalks require constant attention to keep them passable. Our cinder roads will not hold up under the Camp traffic through the winter and are a nuisance in the summer when dry. We should board walk our sidewalks and gravel our streets.

Notice the new Federal Trade blanks have a place to show "Expense on Miners Dwellings." We can put some on our miners dwellings by giving them a coat of paint. Some have had no paint for nearly twelve years.

The increased cost of foodstuffs necessitated an increase in the price of board, driving many of our single men to batching or boarding in private families. This left the hotel with but very few boarders.

In February Tenement No. 33 was destroyed by fire. Man of the house built fire in the kitchen stove and went back to bed; when his wife went to the kitchen half an hour later the walls were blazing. By the time they got the children and a few articles out every door in the house was open and fire in every room.

WATER SUPPLY:

Good as any in the State as to quality. No trouble with pump or pipe lines, but have had to wait many hours for wells to refill, which meant power plant operating when it might have been idle. Should have another large well. Unless River is normal or higher, wells refill so

slowly the pumper waits hours every night on them.

MINE:

Airways, Manways and Haulage Roads in good condition; pumps, pipelines and ditches O. K. Rooms working in the solid in fine shape and well timbered. Pulling pillars, which we are doing in four entries, progressing satisfactory and making good recovery. During the year we pulled the pillars in and stopped off the 2nd and 4th North Entries off No. 1 North Slope and 4th South off Main Slope. In 3rd South off 3rd South plane, pulled the pillars and closed room necks.

Late in September smell from fire in caves where the pillars had been pulled in Firm's Entry was noticed. Seemed to be in the face of 14 room, but could not be definitely located account all pillars out and places caved, some caves going to the surface. Stoppings were put in where necessary to keep the smell from the working places and air off the fire. At the time this is written there is no danger to the mine from the fire. It seems now we can knock the stoppings out and get the few pillars we had to leave inside the stoppings when we want to. We are pumping water through drill holes and surface caves onto hot caves in faces of 12, 13 and 14 rooms, and fire smell at stoppings grows weaker every day.

In my annual report of last year called attention to the faults we had encountered on the 3rd East Entry off No. 2 North Slope and hopes of getting to and over the fault into the coal. We have done it and found the throw to be

32 feet up. There is approximately half a million tons of coal between this fault and the east and south outcrops. The cheapest way to get it to the rope will depend on what disturbances of the seam the entries show. We expect to find some faults in this bench and hope for small ones.

Also mentioned a pair of entries we were driving near the boundary pillars in Firm's entry. These entries are now nearly to the 32 ft. fault that cut off Nos. 1 and 2 South off Main Slope and will enable us to get all the coal to the west outcrop on a downhill haul to the Slope and rope.

To lessen danger from spontaneous combustion in entries where pillars have been pulled, we are putting in concrete stoppings as fast as conditions permit. Have now concrete stoppings outside of block stoppings on 3rd and 4th South Entries off Main Slope; on 5th South Plane; at 15 room on Firm's Entry and 1st East off 2nd North Slope.

Have water ditch from No. 3 North off No. 1 Slope through No. 1 South off No. 1 Slope, so that water from Nos. 1, 2 and 3 Entries North off No. 1 Slope goes to big sump off No. 2 Slope. The completion of this ditch permits our small pump on No. 1 Slope to easily handle this water from the other entries.

In December, 1918, we pumped 7,631,140 gals. of water and in 1919, 5,193,895 gals. The mine made much less water in 1919 account less rain, but believe our concrete stoppings also instrumental in reducing quantity of mine water by holding it back of the stoppings, backing it up along

the entries, causing additional caving. This in time resulting in the sealing of caves, for we have surface cave holes filled with water all last summer.

STORE:

This year has been the worst in the history of the store for several reasons. While there was no voiced objection to our methods and prices, the continued advance in prices of necessities made our men readily believe that the store was coining money.

The Co-Operative Store idea was attractive for they were to buy their supplies as near actual cost as operating expenses permitted and get interest on their stock investment. The Co-Operative Store opened backed by the Labor Council of Centralia, Tono and Mendota Mines. Tono men got strong representation on the Board of Directors and the Secretary-Treasurership. Their truck makes Tono regularly loaded with groceries, always taking orders for the next trip.

In addition to this competition, the merchants of Centralia got together and guaranteed the price of a special train on Saturday evening from Tono to Centralia and return. With truck and train competition, sales of such merchandise as permits of more than 20% profit was curtailed. In fact we were used as a convenience by the majority of our men. The six weeks strike was a factor, for only necessities were purchased.

SAW MILL:

Hope this is the last time Tono Saw Mill will be

reported on, for at this date the mill has been sold and the money paid in. We received \$4500.00 for the mill and \$1000.00 for the lumber on hand, less some 6000 ft. held out for mine use.

RECOMMENDATIONS:

HOLDINGS: That we decide by June, 1920, as to the longest period we will make our ranch leases, and let such lessees as we want to retain know it so they can do work that should be done and they be benefitted, as well as the Company, if they can have leases for three years from Jany. 1st, 1921. Labor troubles, prospective and real, caused me to forget the ranch lease extensions to three years from 1920.

Continue to assist Lessees by furnishing the material where they will do the work, to keep up farm buildings and fences.

GENERAL CONDITIONS: That we continue along the present lines of giving the Railroad Company the coal they require; go ahead with our plans to get the knowledge necessary from development work to make Tono Mine the safest, the lowest production cost and the greatest tonnage single-shift mine on the Coast.

FIRST AID: As it is humanitarian in principle, cheap in practice and the hobby of our politicians, believe we should continue to encourage our men to take training and assist the teams in every way to keep them interested.

LABOR: That we assist the Coal Operators of this State and of the United States with our money and efforts to secure all data possible to present to the Bituminous Coal Commissioners in an effort to prevent any further wage increase to Mine Workers or changes in conditions that add to our production costs. We were paying from 89¢ to \$2. per

day more for the same class of labor than in the east and south. The present 14% increase widens the old differential. Our men are now paid enough but are not satisfied because they were promised 31% by Secretary of Labor Wilson. Dr. Garfield's resignation removed the only Federal official opposing a greater increase than 14%, so it is up to the Operators to secure and present such figures of miners' earnings, living expenses (and disprove the figures of the Secretary of Labor on increased cost of living to the Mine Workers) as to make the Coal Commissioners hesitate to direct or even recommend an increased wage for Mine Workers and pass to the public the privilege of paying for it by increasing the selling price of coal.

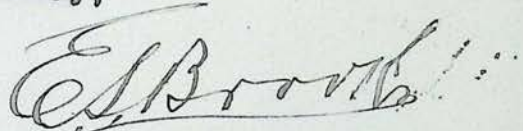
CAMP: That we improve streets, alleys and sidewalks by planking or gravel; paint our tenements and fences, and continue to offer prizes for best kept yards.

MINE: Keep on with our development work and get to outcrops so we can plan a haulage system. This is necessary account so many faults, synclines and basins that our work has already proven. Install our fan, hoist and boiler as quickly as conditions permit; also get a machine shop at the plant, and more pit cars.

STORE: Never by word or action let our employes see that we fear the Co-Operative Store. Go ahead and do all the business we can; maintain reasonable prices on staple articles at all times; let the men see we are in the business to stay and if they want anything it can be had at the Company Store. When the Co-Operative Store fails to pay dividends

and they have had their mercantile experience, they will have no grounds for such complaints as: "The Company rob us because we were stockholders in the Co-Operative Store," when they give us their business.

Yours truly,

A handwritten signature in cursive script, appearing to read "E. S. Booth". The signature is written in dark ink and is positioned above the typed name.

Genl. Superintendent.

T O N O M I N E

STATEMENT OF TONNAGE SHIPPED DURING THE CALENDAR YEAR
1 9 1 9.

	<u>Lump</u>	<u>Mine Run</u>	<u>Totals</u>
January, 1919	1960	21974	23934
February	1384	22344	23728
March	1122	20769	21891
April	300	15981	16281
May	117	15639	15756
June	204	17703	17907
July	614	16104	16718
August	1180	20456	21636
September	900	16199	17099
October	1298	24959	26257
November		327	327
December	<u>977</u>	<u>10826</u>	<u>11803</u>
	10056	203281	213337

T O M O M I N E

DISTRIBUTION OF COAL SHIPMENTS FOR THE CALENDAR YEAR 1919.

	Commercial			O-W. R. R. & N. Co.		Local &		<u>Totals</u>
	<u>Lump</u>	<u>Mine Run</u>	<u>1st Dist.</u>	<u>2nd Dist.</u>	<u>Co. use</u>			
January, 1919	1960	1031	15080	5112	751		23934	
February	1384	985	14586	6146	627		23728	
March	1122	567	14069	5478	655		21891	
April	300	444	11268	3791	478		16281	
May	117	336	11943	2921	439		15756	
June	204	145	13461	3667	430		17907	
July	614	54	11567	4072	411		16718	
August	1180	35	15912	3980	529		21636	
September	900	144	11387	4090	578		17099	
October	1298	263	19339	4320	1037		26257	
November	<u>977</u>	<u>147</u>	<u>9025</u>	<u>891</u>	<u>327</u>		<u>11803</u>	
December	10056	4151	147637	44468	7025		213337	

(Coal used under boilers, 5377 tons)

T O N O M I N E

STATEMENT OF COST OF COAL, PER TONS SOLD, PER FORM 89,
FOR THE CALENDAR YEAR 1 9 1 9.

	<u>Tonnage</u>	<u>Amount</u>	<u>Cost per ton</u>
January, 1919	23934	\$33628.59	1.410
February	23728	33625.33	1.412
March	21891	31458.87	1.437
April	16281	24974.27	1.534
May	15756	23518.75	1.493
June	17907	25786.92	1.440
July	16718	24660.07	1.475
August	21636	30003.85	1.386
September	17099	26748.75	1.553
October	26257	34746.53	1.313
November	327	5857.72	17.914
December	<u>11803</u>	<u>21428.86</u>	<u>1.813</u>
	213337	316438.51	1.483 Avg.

T O W O M I N E

DETAILS OF COST OF COAL, PER TONS SOLD, PER FORM 89, FOR THE

CALENDAR YEAR 1919

	<u>Maintenance</u>	<u>Air, Drainage & Light</u>	<u>Mining</u>	<u>Hauling</u>	<u>Weigh & Loading</u>	<u>Developm't</u>	<u>Sup't.</u>	<u>Total</u>
January, 1919	.162	.086	.766	.189	.049	.076	.082	1.410
February	.192	.061	.755	.177	.045	.095	.087	1.412
March	.193	.069	.767	.183	.046	.072	.107	1.437
April	.202	.086	.768	.203	.055	.102	.118	1.534
May	.153	.101	.748	.202	.052	.122	.115	1.493
June	.169	.078	.738	.180	.053	.101	.121	1.440
July	.151	.101	.750	.200	.054	.109	.110	1.475
August	.132	.090	.768	.177	.049	.080	.090	1.386
September	.179	.102	.796	.217	.056	.077	.126	1.553
October	.120	.076	.740	.177	.048	.072	.080	1.313
November	2.345	3.330	.666	3.672	.542		7.359	17.914
December	.228	.114	.888	.266	.066	.080	.171	1.813

T O N O M I N E

STATEMENT OF YARDAGE DRIVEN DURING THE CALENDAR YEAR
1 9 1 9.

	<u>Entry</u>	<u>Airway</u>	<u>Room</u>	<u>Total</u>	<u>Cost</u>
January	290	71	58	419	\$1162.73
February	348	128	57	533	1477.00
March	216	204	40	460	1276.22
April	178	136	41	355	993.00
May	265	137	16	418	1204.64
June	294	253	26	573	1634.78
July	157	186	36	379	1038.73
August	158	126	79	363	997.98
September	183	143	76	402	1022.85
October	228	74	164	466	1296.58
November					
December	<u>70</u>	<u>118</u>	<u>—</u>	<u>188</u>	<u>561.34</u>
	2387	1576	593	4556	12665.85

T O N O M I N E

STATEMENT OF REAL ESTATE DEPARTMENT (TENEMENT) RECEIPTS
AND MAINTENANCE EXPENSE FOR THE CALENDAR YEAR 1919.

	<u>Receipts</u>	<u>Maintenance</u>	<u>Difference</u>
January, 1919	\$ 783.66	\$ 1084.57	
February	789.72	1552.74	
March	782.56	963.84	
April	780.05	662.10	
May	764.77	1202.02	
June	756.63	810.77	
July	754.56	718.94	
August	758.00	787.38	
September	768.30	665.15	
October	769.34	560.10	
November	757.75	87.28	
December	<u>752.94</u>	<u>303.30</u>	
	9218.28	9398.19	179.91

Receipts and Maintenance Expense of Other Property, for
the Calendar Year, 1919:

3811.21	271.43	3539.78
---------	--------	---------

T O N O M I N E

STATEMENT OF COMMERCIAL LIGHTING PLANT RECEIPTS AND
EXPENSES FOR THE CALENDAR YEAR 1919.

	<u>Receipts</u>	<u>Expenses</u>	<u>Net Receipts</u>
January, 1919	246.57	203.57	
February	255.65	253.32	
March	256.92	194.98	
April	261.52	168.24	
May	259.28	167.10	
June	257.27	165.15	
July	258.51	168.88	
August	258.67	183.87	
September	259.86	193.89	
October	256.55	225.33	
November	254.00	153.45	
December	<u>252.12</u>	<u>200.61</u>	
	3076.92	2278.39	<u>798.53</u>

T O N O M I N E

STATEMENT OF WATER PLANT RECEIPTS AND MAINTENANCE
EXPENSE FOR THE CALENDAR YEAR 1919.

	<u>Receipts</u>	<u>Maintenance</u>	<u>Difference</u>
January, 1919	\$ 128.60	\$ 119.16	
February	131.52	122.72	
March	132.91	154.12	
April	135.00	160.16	
May	133.62	110.50	
June	125.60	130.33	
July	181.35	133.90	
August	182.84	104.00	
September	183.43	152.08	
October	184.52	171.84	
November	184.00	104.27	
December	<u>182.32</u>	<u>108.58</u>	
	1885.71	1571.66	<u>314.05</u>

T O N O M I N E

STATEMENT OF EXPENDITURES ACCOUNT "CONSTRUCTION" FOR
THE CALENDAR YEAR 1919.

New Tenements	\$ 2106.80
Powder House Barricade	211.40
Addition to Material House	<u>107.37</u>
	\$ 2425.57

T O N O M I N E

MISCELLANEOUS STATEMENT FOR THE CALENDAR YEAR OF
1 9 1 9

Total Tons Produced.....	213,337
Days Mine Worked.....	204½
Days Worked by Miners.....	17,341
Days Worked by All Others.....	23,471
Days Worked by All Employes.....	40,812
Tons per day for each Miner.....	12.3
Tons per day for all Others.....	9.
Tons per day for all Employes.....	5.2
Kegs of Powder used.....	4,187
Tons of Coal per Keg of Powder.....	51
Fatal Accidents.....	--
Non-Fatal Accidents.....	14
Tons per Fatal Accident.....	--
Tons per Non-Fatal Accident.....	15,238
Amount paid Washington Industrial Insurance Commission.....	\$10,330.68 ©
Cost per ton.....	.048

(© Includes adjustments and penalties for 1918.)

T O N O M I N E

STATEMENT OF STORE OPERATIONS FOR THE CALENDAR YEAR

1 9 1 9

Merchandise Sales, 1919:		882,066.54
Inventory December 31, 1918:	\$10,559.67	
Purchases, 1919:	<u>70,152.43</u>	
	80,712.10	
Inventory December 31, 1919:	<u>13,810.50</u>	
Cost of Merchandise Sold:		<u>66,901.60</u>
Gross Profit:		15,164.94
Miscellaneous Earnings:		<u>1,552.28</u>
Gross Revenue:		16,717.22
Gross Expense, including Deprediation, &c.:		<u>10,358.46</u>
Net Revenue:		\$ 6,358.76

Merchandise Sales, 1918:	\$97,063.71
Gross Expense, including Depreciation, &c.:	9,360.50
Net Revenue:	7,059.94

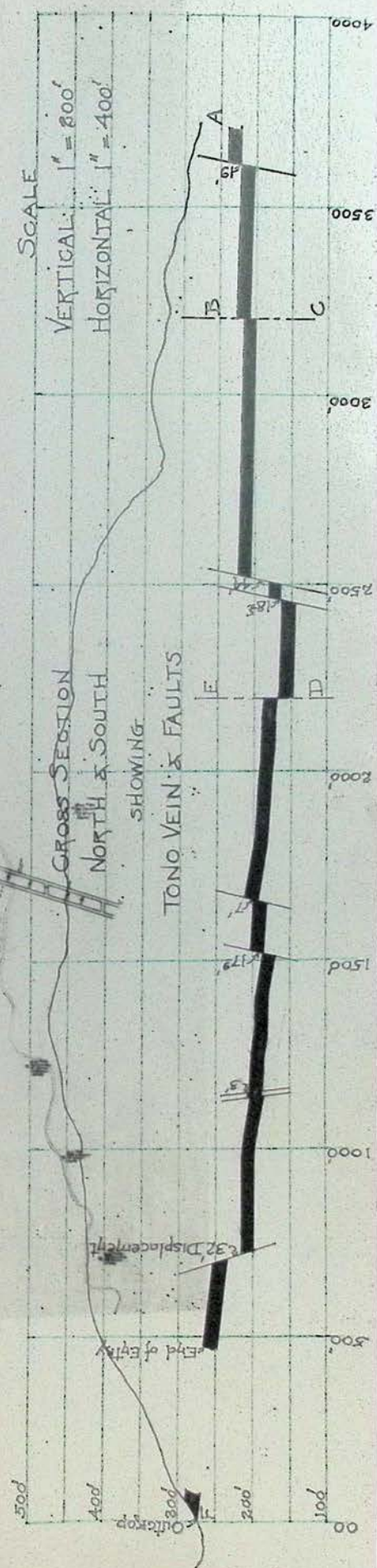
<u>Ranch and Lease Numbers, Lessee and Sub-division:</u>	<u>Yearly Rental</u>	<u>Total Acres</u>	<u>Acres Orchard</u>	<u>Acres Cleared</u>	<u>Acres Semi- Cleared</u>	<u>Acres Logged-off</u>	<u>Acres Timber</u>	<u>Acres Swamp</u>	<u>Acres River</u>	<u>Acres RR R/W</u>
R-2 L-X, <u>Matt Kruger</u> Part of NW $\frac{1}{4}$ 20-15-1W	\$ 120.	20.68	89T 1.44	1.7	10.4		7.14			
R-2 L-X, <u>J. A. Veness</u> <u>Lumber Co.</u> , part of above	260.	12.7		3.	7.7	2.				
R-2 L-X, <u>H. A. Baldwin</u> , part of above	3.	.55				.55				
<u>Sundry Persons</u> , pastur- age in above	600.	126.07		20.46	8.48	62.85		22.1		12.18
R-3 L-97 <u>A. K. Clemens</u> NE $\frac{1}{4}$ -SW $\frac{1}{4}$ & SE $\frac{1}{4}$ -NW $\frac{1}{4}$ Sec. 19-15-1W	200.	158.23	123 T 1.29	49.	59.77	33.88				14.29
R-4 L-100, <u>L. R. Grove</u> , NE $\frac{1}{4}$ & SE $\frac{1}{4}$ -NW $\frac{1}{4}$ & NE $\frac{1}{4}$ -NW $\frac{1}{4}$, Sec. 24-15-2W	160.	280.	37 T	33.62	85.35	20.	112.6	28.43		
R-5 L-X, <u>John Moean</u> , W $\frac{1}{2}$ -SE $\frac{1}{4}$, E $\frac{1}{2}$ -SW $\frac{1}{4}$, NE $\frac{1}{4}$ -SE $\frac{1}{4}$ Sec. 24-15-2W	180.	200.	320 T 1.83	28.72	33.60		40.	79.99		7.11 5.75
R-6 L-X, <u>A. Regard</u> , SE $\frac{1}{4}$ -SW $\frac{1}{4}$ Sec. 20-15-1W	60.	80.	92 T 1.79	7.47	5.48	65.26				
R-7 L-98, <u>J. D. Robert- son</u> , E $\frac{1}{2}$ -NE $\frac{1}{4}$ Sec. 29 & part in SE $\frac{1}{4}$ -SW $\frac{1}{4}$ Sec. 21- 15-1W	260.	6.75 80.	45 T .9	41.04	6.75 20.80	15.81	1.45			
R-8 L-95, <u>D. F. Bishop</u> W $\frac{1}{2}$ -NE $\frac{1}{4}$ Sec. 28 & SW $\frac{1}{4}$ -SE $\frac{1}{4}$ Sec. 21-15-1W	195.	120.	31 T .49	35.19	12.54	40.	31.78			
<u>Hannaferd Creek Logging Co.</u> , Right-of-way across part in SW $\frac{1}{4}$ -NE $\frac{1}{4}$ 28-15-1W	20.									
<u>Victory Coal Mining Co.</u> , Right-of-way in part of above	10.									
R-9 L-102, <u>John Goebel</u> , NE $\frac{1}{4}$ -NE $\frac{1}{4}$ Sec. 28 and SE $\frac{1}{4}$ - SE $\frac{1}{4}$ Sec. 21-15-1W	155.	80.		34.	33.22	12.78				
R-10 L-93, <u>C. E. Mercer</u> , Part in SW $\frac{1}{4}$ -SW $\frac{1}{4}$ Sec. 12 & part SE $\frac{1}{4}$ -SE $\frac{1}{4}$ of 11 & E $\frac{1}{2}$ -NW $\frac{1}{4}$ of 14-15-1W	210.	152.13	60 T .63	33.25	24.18	80.		10.94	2.88	.25
R-11 L-96 <u>Adolph Troller</u> , Part of SW $\frac{1}{4}$ -NW $\frac{1}{4}$, part of W $\frac{1}{2}$ -SW $\frac{1}{4}$; part of SE $\frac{1}{4}$ -NE $\frac{1}{4}$; part E $\frac{1}{2}$ -SW $\frac{1}{4}$ 11-15-1W	250.	306.35	74 T 1.11	22.05	22.43	252.94		6.		1.82
R-12 L-101, <u>Sam Prince</u> , W $\frac{1}{2}$ -NW $\frac{1}{4}$ of 13; part of SE $\frac{1}{4}$ -SW $\frac{1}{4}$ and part SW $\frac{1}{4}$ -SW $\frac{1}{4}$ 12-15-1W	310.	102.5	43 T 1.44	67.38	8.93	15.24		8.32		1.19
<u>E. M. Withrow</u> , Saw mill site of .98 acres in SE $\frac{1}{4}$ - SW $\frac{1}{4}$ Sec. 12-15-1W, and RR R/W in Sec. 12	62.									
R-13, L-99, <u>C. W. Norman</u> , SE $\frac{1}{4}$ -NW $\frac{1}{4}$ and part E $\frac{1}{2}$ -SW $\frac{1}{4}$ Sec. 12-15-1W	125.	102.5	37 T	21.83	48.91	31.76				
R-15 L-X, <u>L. Nelson</u> , NE $\frac{1}{4}$ Sec. 30-15-1E	72.	160.	35 T .32	16.	30.83		112.85			
R-16 L-94, <u>Thos. Richards</u> , All Sec. 24-15-1W and SW $\frac{1}{4}$ Sec. 30-15-1E	175.	800.	174 T 2.72	33.27	48.34	355.67	360.			
<u>Skeokum Railway & Logging Co.</u> , .92 Acres in 11 & 12 15-1W RR R/W	20.									
	3447.	2790.66	18.96 1267 Trees	448.18	467.71	988.74	665.82	141.46	17.20	42.59



HANNAFORD MINE NO. 1
TONG THURSTON CO. WASH.

8525 20th ST. N.W. WASH. D.C.
 U.S. GEOLOGICAL SURVEY
 Scale 1 inch = 400 feet

MINE WORKINGS EXTENDED
 AND
 PILLARS REMOVED
 DURING YEAR 1919
 SHOWN IN RED



581-23

WASHINGTON UNION COAL COMPANY

TONO MINE

ANNUAL REPORT - - - - - 1918



I N D E X

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	General Conditions,		
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WASHINGTON UNION COAL COMPANY

Tono, Washington
January
Thirty-first
Nineteen Nineteen

Mr. J. D. Farrell, President.
Washington Union Coal Co.
Portland, Oregon.

Dear Sir:

Have the honor to report on the properties
of the Washington Union Coal Company for 1918, as follows:

HOLDINGS:

Acreage (original purchase)	6,941.2
Pumping Site	<u>2.8</u>
	6,944
Less O-WRR&N Right-of-Way	<u>35.4</u>
	6,908.6

Sub-divided as follows:

Mineral rights only	896.5
Timber reserved	2,623.97
Coal and timber	3,385.33
Pumping Site	<u>2.8</u>
	6,908.6

Sub-division of Coal and Timber holdings mentioned
above, are as follows:

Tillable	564.8
Semi-cleared	501.5
Logged off	1,319.5
Timbered	750.
Orchard	17.5
Swamp Lands	232.03
Pumping Site	<u>2.8</u>

3,388.13

Included under the head of subdivision of coal and timber holdings are several leases of land for agricultural and industrial purposes, which are detailed on another page of this report.

As will be noted, there has been no change in the acreage. Have leased a site for a portable sawmill, consisting of .98 acres on Section 12, Township 15 North, Range 1 West at \$12.00 per year. Lease heretofore given to the Hercules Sandstone Company for a strip 50 ft. wide for right-of-way of their railroad to quarry is worthless, the Hercules people having failed. Receiver has sold and removed the rails, so we will perhaps quit loser on the lease, as the property of the Sandstone Company will not pay much on their indebtedness.

Am meeting our ranch lessee half-way on rebuilding fences, roofing houses and barns. If conditions are normal in 1920 would arrange to give those we want to keep three and five year leases. They will then do work they won't do under a lease running from year to year.

TAXES:

The decision of the Judge of the Superior Court

of Thurston County that our land was coal land was confirmed by the Supreme Court of Washington.

We will continue to pay a coal tax on undeveloped coal lands because we are a coal company, while adjoining land owners escape the burden, though the coal seams underlying our lands are also under theirs.

GENERAL CONDITIONS:

No change in conditions for the worse during the year.

Our tenements have been filled all the time and labor shortage was never acute at Tono. Our tonnage, the largest ever produced; our sales without doubt the cheapest coal produced in the state; our selling price for 85% of our production but ten cents higher than ten years ago when the miner was digging this coal for 18 cents less per ton than now.

FIRST AID:

Have three First Aid Teams, two Helmet Teams and a class of 45 taking training. Interest kept up by First Aid Club which gets all the aid asked for from the Company to make the Club a success and keep the men interested.

LABOR:

We have had no labor trouble of any kind and feel that the action of the employees of this Company for the past year is worthy of mention to higher officials.

Every time the Tono whistle blew for work the men answered and produced more than 5 tons of coal for each employe on our pay roll. Exceeded their quota on Liberty Bond, Y.M.C.A. and Red Cross drives, and War Saving Stamps; assessed themselves 1% of their gross earnings for the Red Cross, and gave liberally to the Seven Sisters; their wives and daughters have kept open the Red Cross rooms mornings, afternoons and evenings, meeting all demands made upon them by their Chapter. From their ranks have gone 26 men to the colors, from an average of 190 men per month for 1918. When the rest of the miners in the country were celebrating the fake and genuine signing of the Armistice, our men produced 1800 tons of coal and celebrated after their day's work. During December maintained a production of 1,000 tons per day and had every Holiday.

UNUSUAL EXPENSE:

Additional watchmen for the year.

As long as we use 68 ft. track scales and the present inspector of scales is on the job, our scales will appear under this head. Renewed the 68 ft. timbers, as well as other timbers, on the front track scale at an expense of approximately \$600.00. Inspector does not like the long track scale and is in favor of putting in a shorter one. Local conditions above and below the mine are not favorable to scales of any kind, or I would have recommended the change seven years ago.

Our Pump at the Pumping Plant broke in the frame, necessitating repairs amounting to \$375.00.

RENEWALS:

Two mules, value \$285.00

One hoist rope, value \$781.66

The rope replaced hoisted 315,000 tons of coal, which was a good record for a rope that travels into the mine as slack rope.

CAMP:

Am finishing the last of the 8 tenements authorized. Have 1 6-room, 4- 5-rooms and 3 4-rooms. These houses are situated in the old farm orchard and will compare favorably with any frame houses of the size in the state. Were asked for as soon as staked and seven occupied now. Delay on part of painter and paperhanger the reason all are not occupied.

Our older tenements need painting and some res-shingling; streets and sidewalks more gravel, as rain takes the cinders away and traffic buries the gravel.

Temporary wash house at the hotel was burned on November 26th, and 35 men were off one day. When we get the Miners Wash House the one at the Hotel will cease to be used as a bath house.

WATER SUPPLY:

So far our water supply has remained pure, and pumping plant for the first time in four years had a break-

down. With 115 cases of influenza we have lost to date one adult and two children. That few deaths and complications follow an attack we attribute to our excellent water. It goes in the red every month, but the investment was made with a knowledge that it would, but pure water for domestic use was a necessity.

MINE:

Mine is in good shape, hauling roads, traveling ways and aircourses free from obstructions; pipe lines pumps and ditches all working well and overtime account surface water coming into mine through caves to the surface.

Have finished and sealed off No. 1 Entry off No. 2 Slope and No. 5 entry off No. 1 Slope. No. 4 Entry off No. 1 Slope about finished. Am pulling pillars in Firm Entry, Nos. 2, 3 and 4 Entries off No. 1 Slope and 4th South Entry off main Slope.

New work: From 3rd Entry off No. 2 Slope crossed a fault and hope to get into the bench that we have never gotten into. On the main Slope we found at the face a 17 ft. upthrow. Our drill holes showed no coal ahead to the raise, so stopped it. Believe from No. 3 Entry off No. 2 Slope we can get into this bench. Would call your attention to No. 1 Entry off No. 3 South Plane and No. 3 Entry off same place. These Entries were driven first and connected with Firm Entry. Both were good hauling roads with grade in favor of loads. When we drove No. 2 Entry,

found from room #7 to the connection at Firm Entry the coal had changed its pitch and we were hauling coal up hill. As No. 3 Entry showed no change in pitch, thought it local in No. 2. In No. 4 Entry we found the same conditions as in No. 2, so am driving a pair of entries near the pillar boundary of Firm Entry to get the coal with a down hill haul.

Would also call your attention to the many faults shown on map that we have already found in Tono Mine, for the time may come when rock work of such magnitude is necessary as to require an appropriation.

STORE:

Being only 8 miles from Centralia and two trains per day to that city, Tono people do much shopping there. Business houses make leaders of a staple to get them in and then sell them goods they ordinarily buy here. For this reason we carry very little high priced goods, confining ourselves to staples in foodstuffs and necessities in dry goods, etc.

An effort to start a Co-Operative Store in Centralia is on foot. Centralia Labor Unions combined with the Coal Mine Unions are boosting it.

We turn our stock eight times a year; powder that four years ago brought a nice profit is now selling to the miner at cost to us, and we sold them more than 5000 kegs last year. A detailed statement is included in this report. Lost the Storekeeper and Bookkeeper during the year, each

getting better paying positions.

SAW MILL:

Total value of lumber now at Saw Mill is approximately \$600.00.

RECOMMENDATIONS:

Holdings: We continue to help our Lessees of ranch lands repair their fences, barns and houses. Arrange leases for three years for the best tenants instead of the one-year lease.

General Conditions: We get more for our coal from the O-WRR&N Lines and sell at Government price on commercial until the price is cut by other companies. Buy the Smith-McLaren timber for re-sale to loggers all that lying North of the divide between the Hannaford and Skookumchuck River, retaining the rest as an emergency supply for the mine.

First Aid: Keep up the interest in it in any way we can, for the work done on the injured in the mine by members of the teams is of the best, and lessens time off account injuries, as well as suffering when brought out.

Labor: Give them what they are entitled to and no more. Treat them like they were human, and give the material they are willing to use to improve their homes; maintain good schools, keep town clean and call them to conference when planning any project for their pleasure or welfare, at no cost to them. Pat them on the back when as an organization they do something worthy.

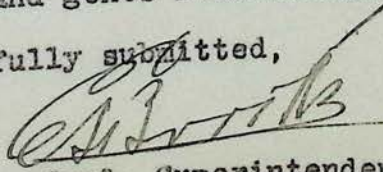
Camp: We try this year to get along with existing tenements, and paint all of the old ones; use more gravel on streets and walks in hopes that it being buried each year may finally strike hard pan, so we could then keep some in sight.

Mine: That fan, engine, boiler, machine shop and shop tools be furnished. The fan is needed for future development; the engine to bring more coal on each trip; the boiler to insure steam to keep the plant going when one boiler off for repairs; the machine shop and tools to do the work at the mine that now goes elsewhere, or the material is scrapped account the time lost to get it back and a new one ordered.

Continue our development work and get across the numerous faults that we have to contend with, so that the boundaries of the Tono Seam can be determined and workings planned accordingly. This may increase our cost some for the next year or two, but when completed will be returned a hundred fold by stabilizing the future cost of production from information secured.

Store: The demand for Tono Coal for engine use will doubtless be good for the year 1919, so recommend we increase our stock on dry goods and gents furnishings.

Respectfully submitted,


Genl. Superintendent.

T O N O M I N E

STATEMENT OF TONNAGE SHIPPED DURING THE CALENDAR YEAR
1 9 1 8.

	<u>Lump</u>	<u>Mine Run</u>	<u>Totals</u>
January, 1918	3961	19536	23497
February	1994	14615	16609
March	2444	20141	22585
April	1140	19669	20809
May	1636	24147	25783
June	1221	20444	21665
July	1329	23374	24703
August	3201	19007	22108
September	2779	19410	22189
October	4150	18534	22684
November	2379	19975	22354
December	<u>2742</u>	<u>22620</u>	<u>25362</u>
	28976	241472	270348

T O N O M I N E

DISTRIBUTION OF COAL SHIPMENTS FOR THE CALENDAR YEAR OF 1918.

	Commercial		O-W R.R. & N. Co.		Local & Co. use	Totals
	Lump	Mine Run	1st Dist.	2nd Dist.		
January, 1918	3886	1482	12501	5123	505	23497
February	1942	1217	9994	3402	554	16609
March	2341	1354	13809	4567	514	22585
April	1108	867	13987	4415	402	20809
May	1636	931	18539	4214	462	25783
June	1221	438	15868	3790	348	21665
July	1329	404	18545	4021	404	24703
August	3200	1030	13238	4214	426	22108
September	2779	437	14920	3552	501	22189
October	4150	1877	12742	3481	434	22684
November	2379	1287	13734	4350	604	22354
December	2685	707	15483	5825	662	25362
	28656	12031	173360	50954	5816	270348

(Coal used under boilers, 4494 tons)

T O N O M I N E

STATEMENT OF COST OF COAL, PER TONS SOLD, PER FORM 89,
FOR THE CALENDAR YEAR 1 9 1 8.

	<u>Tonnage</u>	<u>Amount</u>	<u>Cost per ton</u>
January, 1918	23497	\$30326.99	1.291
February	16609	24107.87	1.451
March	22585	29599.34	1.310
April	20809	29121.88	1.399
May	25783	34656.47	1.344
June	21665	30461.16	1.406
July	24703	33749.53	1.366
August	22108	31641.16	1.431
September	22189	30691.82	1.386
October	22684	32350.35	1.414
November	22354	30776.39	1.377
December	<u>25362</u>	<u>35681.31</u>	<u>1.407</u>
	270348	373164.27	1.38 Avg.

T O N O M I N E

DETAILS OF COST OF COAL, PER TONS SOLD, PER FORM 89, FOR THE

CALENDAR YEAR 1 9 1 8.

	<u>Maintenance</u>	<u>Air, Drainage & Light</u>	<u>Mining</u>	<u>Hauling</u>	<u>Weigh & Loading</u>	<u>Developm't</u>	<u>Sup't.</u>	<u>Total</u>
January, 1918	.156	.048	.760	.151	.047	.032	.097	1.291
February	.208	.071	.771	.176	.049	.034	.142	1.451
March	.167	.056	.761	.159	.049	.031	.087	1.310
April	.195	.070	.756	.171	.048	.058	.101	1.399
May	.174	.074	.746	.163	.043	.049	.095	1.344
June	.196	.068	.767	.171	.045	.052	.107	1.406
July	.147	.081	.758	.158	.046	.082	.094	1.366
August	.192	.072	.755	.189	.052	.070	.101	1.431
September	.164	.068	.780	.176	.044	.055	.099	1.386
October	.176	.068	.775	.181	.052	.057	.105	1.414
November	.133	.075	.778	.184	.051	.054	.102	1.377
December	.153	.071	.776	.203	.047	.061	.096	1.407

T O N O M I N E

STATEMENT OF REAL ESTATE DEPARTMENT (TENEMENT) RECEIPTS AND MAINTENANCE EXPENSE FOR THE CALENDAR YEAR 1918.

	<u>Receipts</u>	<u>Maintenance</u>	<u>Difference</u>
January, 1918	\$ 714.03	\$ 976.54	
February	714.38	1034.51	
March	714.62	579.07	
April	724.81	695.96	
May	733.53	828.51	
June	711.80	921.63	
July	740.50	1301.88	
August	743.52	1161.16	
September	759.54	693.61	
October	742.50	727.58	
November	740.23	413.85	
December	<u>762.88</u>	<u>1618.05</u>	
	8802.30	10952.35	<u>2150.05</u>

Receipts and Maintenance Expense of Other Property, for the Calendar Year, 1918:

3061.86	1358.17	1703.69
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T O N O M I N E

STATEMENT OF COMMERCIAL LIGHTING PLANT RECEIPTS AND
EXPENSES FOR THE CALENDAR YEAR 1918.

	<u>Receipts</u>	<u>Expenses</u>	<u>Net Receipts</u>
January, 1918	231.36	166.65	
February	230.00	181.14	
March	231.83	205.59	
April	229.95	159.48	
May	233.66	163.31	
June	229.50	142.26	
July	226.93	188.41	
August	232.05	154.35	
September	241.07	166.07	
October	229.80	159.90	
November	231.27	176.50	
December	<u>242.80</u>	<u>185.80</u>	
	2790.22	2049.46	<u>740.76</u>

T O N O M I N E

STATEMENT OF WATER PLANT RECEIPTS AND MAINTENANCE
EXPENSE FOR THE CALENDAR YEAR 1918.

	<u>Receipts</u>	<u>Maintenance</u>	<u>Difference</u>
January	\$ 120.80	\$ 136.08	
February	120.25	108.98	
March	117.80	138.74	
April	118.08	120.93	
May	118.83	305.12	
June	118.00	282.97	
July	148.75	220.26	
August	133.64	203.14	
September	137.94	109.20	
October	140.32	117.44	
November	124.96	108.38	
December	<u>126.64</u>	<u>115.08</u>	
	1526.01	1966.32	<u>440.31</u>

T O N O M I N E

STATEMENT OF EXPENDITURES ACCOUNT "CONSTRUCTION" FOR
THE CALENDAR YEAR 1918.

Bunkhouse	\$ 249.89
Pool Hall Addition	37.44
Power Plant Unit	6225.71
Miners Bath House	220.53
New Tenements	10721.17
Hotel Wash House	<u>210.76</u>
	\$17665.50

T O N O M I N E

STATEMENT OF YARDAGE DRIVEN DURING THE CALENDAR YEAR
1 9 1 8

	<u>Entry</u>	<u>Airway</u>	<u>Room</u>	<u>Total</u>	<u>Cost</u>
January	119	123	16	258	\$ 685.05
February	66	97	4	167	418.08
March	94	110	22	226	580.19
April	158	149	24	331	866.60
May	231	172	44	447	1200.42
June	157	146	8	311	819.13
July	325	256	20	601	1612.84
August	183	190	16	389	1054.77
September	125	225	30	380	996.84
October	145	119	24	288	767.44
November	120	130	8	258	684.14
December	<u>216</u>	<u>142</u>	<u>10</u>	<u>368</u>	<u>990.36</u>
	1939	1859	226	4024	10675.86

T O N O M I N E

MISCELLANEOUS STATEMENT FOR THE CALENDAR YEAR OF
1 9 1 8

Total Tons Produced.....	270,348
Days Mine Worked.....	272
Days Worked by Miners.....	21,995
Days Worked by All Others.....	27,978
Days Worked by All Employes.....	49,973
Tons per day for each Miner.....	12.29
Tons per day for all Others.....	9.66
Tons per day for all Employes.....	5.41
Kegs of Powder used.....	5,545
Tons of Coal per Keg of Powder.....	48.75
Fatal Accidents.....	3
Non-Fatal Accidents.....	23
Tons per Fatal Accident.....	90,116
Tons per Non-Fatal Accident.....	11,754
Amount paid Washington Industrial Insurance Commission.....	\$8,795.96
Cost per ton.....	.0325

P O W E R U S E D

<u>In use</u>		<u>Idle</u>
1	Steam Hoist Engine	1
2	Electric Hoist	1
2	Boilers	2
4	Steam Pumps	1
1	Electric Pumps	
183	Gasoline Motor	
11	Pit Cars	
11	Horses	
11	Mules	

T O N O M I N E

STATEMENT OF STORE OPERATIONS FOR THE CALENDAR YEAR

1 9 1 8

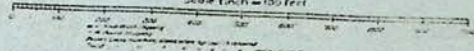
Merchandise Sales, 1918:		\$97,063.71
Inventory Dec. 31, 1917:	\$10,095.13	
Purchases, 1918:	<u>81,166.55</u>	
	91,261.68	
Inventory Dec. 31, 1918:	<u>10,559.67</u>	
Cost of Merchandise Sold:		<u>80,702.01</u>
Gross Profit		16,361.70
Miscellaneous Earnings:		<u>58.74</u>
Gross Revenue:		16,420.44
Gross Expense, including Depreciation, &c.:		<u>9,360.50</u>
Net Revenue:		\$ 7,059.94

Ranch & Lease Numbers: Lessee & Sub-division.	Yearly Rental	Total Acres	Acres Orchard	Acres Cleared	Acres Semi- Cleared	Acres Logged-off	Acres Timber	Acres Swamp	Acres River	Acres RR R-W
R-2 L-0 <u>Matt Kruger</u> Part of NW $\frac{1}{4}$ Sec. 20- 15-1W	\$ 120.	20.68	89 T 1.44	1.7	10.40		7.14			
R-2 L-0 <u>J. A. Veness</u> <u>Lumber Company</u> , part of above	260.	12.7		3.	7.7	2.				
R-2 L-0 <u>H. A. Baldwin</u> part of above	3.	.55				.55				
<u>Sundry Persons</u> , pas- torage in above	600.	126.07		20.46	8.48	62.85		22.1		12.18
R-3 L-86 <u>A. K. Clemens</u> NE $\frac{1}{4}$ -SW $\frac{1}{4}$ & SE $\frac{1}{4}$ -NW $\frac{1}{4}$ Sec. 19-15-1W	200.	158.23	123 T 1.29	49.	59.77	33.88				14.29
R-4 & 14 L-89 <u>L. R.</u> <u>Grove</u> , NE $\frac{1}{4}$ & SE $\frac{1}{4}$ -NW $\frac{1}{4}$ & NE $\frac{1}{4}$ -NW $\frac{1}{4}$, Sec. 24-15-2W	160.	280.	37 T	33.62	85.35	20.	112.6	28.43		
R-5 L-0 <u>John Mccan</u> W $\frac{1}{4}$ -SE $\frac{1}{4}$, E $\frac{1}{4}$ -SW $\frac{1}{4}$, NE $\frac{1}{4}$ -SE $\frac{1}{4}$ Sec. 24-15-2W	180.	200.	320 T 1.83	28.72	33.60		40.	79.99		7.11 5.75
R-6 L-0 <u>A. Regard</u> SE $\frac{1}{4}$ -SW $\frac{1}{4}$ Sec. 20-15-1W	60.	80.	92 T 1.79	7.47	5.48	65.26				
R-7 L-89, <u>J. D.</u> <u>Robertson</u> , E $\frac{1}{4}$ -NE $\frac{1}{4}$ Sec 29 & part in SE $\frac{1}{4}$ -SW $\frac{1}{4}$ Sec. 21-15-1W	260	6.75 80.	45 T .9	41.04	6.75 20.80	15.81	1.45			
R-8 L-84, <u>D. F. Bishop</u> W $\frac{1}{4}$ -NE $\frac{1}{4}$ Sec. 28 & SW $\frac{1}{4}$ -SE $\frac{1}{4}$ Sec. 21-15-1W	195.	120.	31 T .49	35.19	12.54	40.	31.78			
<u>Hannaferd Creek Logging</u> <u>Co.</u> , Right-of-way across part in SW $\frac{1}{4}$ -NE $\frac{1}{4}$ 28-15-1W	20.									
<u>Victory Coal Mining Co.</u> Right-of-Way in part of above	10.									
R-9 L-92 <u>John Goebel</u> NE $\frac{1}{4}$ -NE $\frac{1}{4}$ Sec. 28 and SE $\frac{1}{4}$ -SE $\frac{1}{4}$ Sec. 21-15-1W	155.	80.		34.	33.22	12.78				
R-10 L-82 <u>C. E. Mercer</u> Part in SW $\frac{1}{4}$ -SW $\frac{1}{4}$ Sec. 12 & part SE $\frac{1}{4}$ -SE $\frac{1}{4}$ of 11 & E $\frac{1}{4}$ -NW $\frac{1}{4}$ of 14-15-1W	210.	152.13	60 T .63	33.25	24.18	80.	10.94	2.88		.25
R-11 L-85 <u>Adolph Troller</u> Part of SW $\frac{1}{4}$ -NW $\frac{1}{4}$, part of W $\frac{1}{4}$ -SW $\frac{1}{4}$; part of SE $\frac{1}{4}$ -NE $\frac{1}{4}$; part E $\frac{1}{4}$ -SW $\frac{1}{4}$ 11-15-1W	250.	306.35	74 T 1.11	22.05	22.43	252.94			6.	1.82
R-12 L-90 <u>Mrs. M. Davis</u> W $\frac{1}{4}$ -NW $\frac{1}{4}$ of 13; part of SE $\frac{1}{4}$ -SW $\frac{1}{4}$ and part SW $\frac{1}{4}$ -SW $\frac{1}{4}$ 12-15-1W	310.	102.5	43 T 1.44	67.38	8.93	15.24			8.32	1.19
<u>E. M. Withrow</u> , saw mill site of .98 acres in SE $\frac{1}{4}$ - SW $\frac{1}{4}$ Sec. 12-15-1W	12.									
R-13 L-88, <u>C. W. Norman</u> SE $\frac{1}{4}$ -NW $\frac{1}{4}$ and part E $\frac{1}{4}$ -SW $\frac{1}{4}$ Sec. 12-15-1W	125.00	102.5	37 T	21.83	48.91	31.76				
R-15 L-0 <u>C.M. Richardson</u> NE $\frac{1}{4}$ Sec. 30-15-1E	72	160.	35 T .32	16.	30.83		112.85			
R-16 L-83 <u>Thos. Richards</u> All Sec. 24-15-1W and SW $\frac{1}{4}$ Sec. 30-15-1E	175.	800.	174 T 3.72	33.27	48.34	355.67	360.			
<u>Hercules Sandstone Co.</u> 3.26 Acres in Sec. 11 & 12 15-1W for RR R/W	150.									
<u>Skookum Railway & Logg- ing Co.</u> , .92 Acres in 11 & 12 15-1W RR R/W	20.									
	\$3547.	2790.66	18.96 1267 Trees	448.18	467.71	988.74	665.82	141.46	17.20	42.59

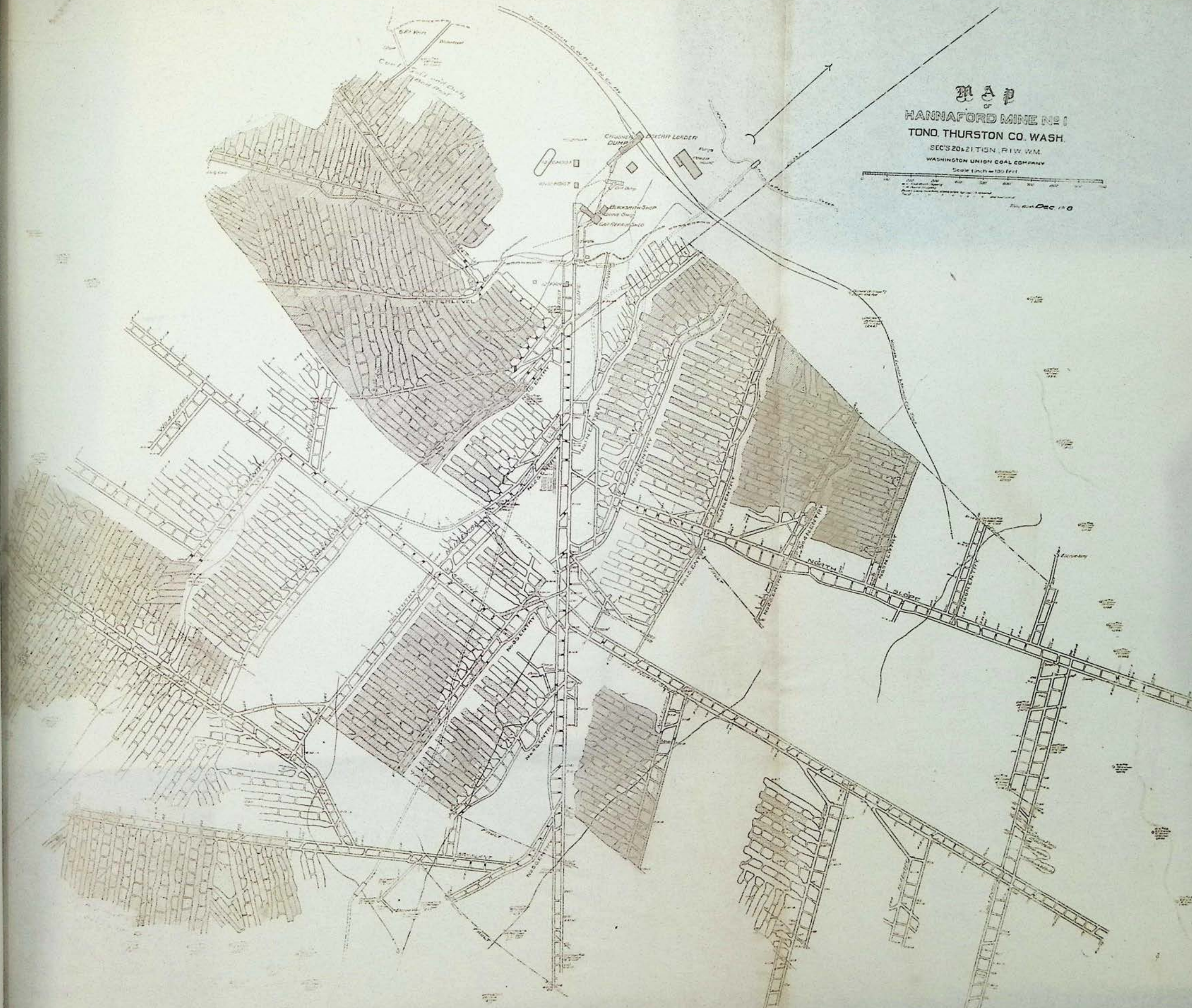
M A P
HANNAFORD MINE NO 1
TONO, THURSTON CO. WASH.

SECS 20 & 21 T15N, R1W W4M
WASHINGTON UNION COAL COMPANY

Scale 1 inch = 100 feet



Dec 1908



GENERAL MAP
PROPERTY AND INTERESTS
OF
WINSTON COUNTY
LENS NO. TOWSON COUNTY



Scale

Legend

1	Section
2	Sub-section
3	Block
4	Lot
5	Tract
6	Block
7	Lot
8	Tract
9	Block
10	Lot
11	Tract
12	Block
13	Lot
14	Tract
15	Block
16	Lot
17	Tract
18	Block
19	Lot
20	Tract
21	Block
22	Lot
23	Tract
24	Block
25	Lot
26	Tract
27	Block
28	Lot
29	Tract
30	Block

Map of Winston County, North Carolina, showing property and interests. The map is divided into sections numbered 7 through 30. The Saluda River and Saluda Creek are shown. The map is titled 'GENERAL MAP PROPERTY AND INTERESTS OF WINSTON COUNTY LENS NO. TOWSON COUNTY'.