

interests in British Columbia, and desire to see smelting and other home industries flourish in order that our country may grow and prosper as it should. There has always been sufficient reason for us to have our ore smelted at home in the fact that it was directly advantageous to do so on account of the saving effected at first in freight and treatment charges and later on in incidental expenses, and I was therefore surprised at the ground taken by Mr. Cavanaugh. I was aware that articles attacking the Canadian smelters had appeared in the *Paystreak* and *Ledge*, but these contained such gross misrepresentations that I had not paid any attention to them. After reading Mr. Cavanaugh's letter, however, I investigated the ore sales of one of my companies from the beginning of its operations. I took down the particulars of the returns of a number of cars of ore, taking a few from each period, but otherwise at random, and then ascertained what we would have received for our ore if we had been selling it on the basis of the London price less \$1 per 100 pounds with the present freight and treatment charges, viz., \$11 per ton of ore carrying 20 per cent lead, graded up to \$15 on high-grade ore. The following are the results of those calculations. I will take one ton from each carload, and leave the silver contents out of the question.

In 1897 when there were no local smelters buying lead ores:—

Date.	Tons ore.	Lead.	Lead contents less to per ct.	Price paid.	Total value lead.	Freight & Treatment Charges.	Duty and Customs Expenses.	Net value of lead in ore.
1897.								
Nov. 23 . .	1	70.8	1274	\$3.60	\$45.86	\$25.00	\$21.28	\$ 42
Dec. 2 . .	1	69.1	1244	3.50	43.50	21.50	20.73	1.31
Dec. 6 . .	1	65.9	1186	3.50	41.51	23.00	19.98	1.47

If sold on to-day's basis at the London price on these dates:—

London price.	Equivalent less \$1 per lbs.	Total Value lead in ore.	Freight & Treatment.	Net value lead in 1 ton ore.	Difference in favor of this method.
13-0-0	\$1.809	\$23.05	\$15.00	\$8.05	\$8.47
12-15-0	1.755	21.84	15.00	6.83	5.25
12-15-0	1.755	20.81	15.00	5.81	7.28

In 1898 when the Canadian smelters were talking of going into lead smelting, and there was perhaps on this account a reduction in the rates of outside smelters:—

Date.	Tons ore.	Lead.	Lead contents less to per ct.	Price paid.	Total value lead.	Freight & Treatment	Duty and Customs	Net value of lead in ore.
1898.								
Jan. 18. . .	1	62.0	1116	\$3.50	\$39.06	\$22.90	\$18.60	\$ 44
Jan. 24. . .	1	25.5	459	3.60	16.52	16.63	7.76	7.87
Jan. 29. . .	1	23.1	416	3.60	14.98	19.75	6.93	11.70
Sep. 19. . .	1	63.5	1143	3.75	43.15	20.75	19.17	3.25
Sep. 26. . .	1	24.4	439	3.50	15.37	16.50	7.32	8.45

If sold on to-day's basis at the London price on these dates:—

London price.	Equivalent less \$1 per lbs.	Total Value lead in ore.	Freight & Treatment.	Net value of lead in ore.	Difference in favor of present method
12-12-6	\$1.728	\$19.28	\$5.00	\$4.28	\$6.72
12-12-6	1.728	7.93	12.10	4.17	2.70
12-12-6	1.728	7.19	11.62	4.43	7.27
12-18-9	1.795	20.52	15.00	5.52	2.29
12-18-9	1.795	7.88	11.88	4.00	4.45

In February, 1899, when the Hall Mines smelter had actually begun to compete for lead ores:—

Date.	Tons ore.	Lead.	Lead contents less to per ct.	Price paid.	Total value lead.	Freight & Treatment	Duty and Customs	Net value of lead in ore.
1899.								
Feb. 3 . .	1	33.8	608	\$4.20	\$25.54	\$16.50	\$10.35	\$1.31
Feb. 15. .	1	64.7	1165	4.20	48.93	20.75	19.62	8.56

If sold on to-day's basis at the London price on these dates:—

London price.	Equivalent less \$1 per lbs.	Total Value lead in ore.	Freight & Treatment.	Net value lead in 1 ton ore.	Difference in favor of
15-10-0	\$2.349	\$14.28	\$13.76	\$0.52	\$0.83
15-0-0	2.241	26.11	15.00	11.11	2.55

On February 18th, 1899, we sold our first ore to that smelter, and as we got more favourable rates than we had hitherto done, the comparison between those and the results on the present basis is not so striking:

Date.	Tons ore.	Lead per cent.	Lead contents less to per ct.	Price paid.	Total value lead.	Freight & Treatment	Duty and Customs	Net value lead in 1 ton ore.
1899.								
Feb. 18. .	1	33.0	594	\$4.20	\$24.95	\$14.30	\$ 9.90	\$ 75
Feb. 19. .	1	64.0	1152	4.20	48.38	20.00	19.20	9.18

If sold on to-day's basis at the London price on these dates:—

London price.	Equivalent less \$1 per lbs.	Total Value lead in ore.	Freight & Treatment.	Net value lead in 1 ton ore.	Difference in favor of present method
15-0-0	\$2.241	\$13.31	\$13.60	\$ 29 against	\$1.04
15-0-0	2.241	25.82	15.00	10.82 in favor	1.64

In giving us the history of lead smelting rates and combinations Mr. Cavanaugh makes an important statement, viz: "That it was after the Trust withdrew from the Canadian market that the system of payment was changed from the basis of the New York price to the basis of the London price." This would lead to the deduction of cause and effect and would indicate much. But the trouble is that Mr. Cavanaugh is