

QWL 1932-1933

444

QWL
1932-1933

444

N17152

0007-SWP-0050892

ROLL 23 (444)

CHICAGO WHITE LEAD

1932 - 1933



[illegible]

Month	Day	Time	Lat	Long	Alt	Wind	Sea	Temp	Bar	Hum	Vis	Clouds	Remarks
July	1	0519	36	147.403	17.80	1026	1026	1026	1026	1026	1026	1026	1026
July	2	0519	36	147.403	17.80	1026	1026	1026	1026	1026	1026	1026	1026
July	3	0519	36	147.403	17.80	1026	1026	1026	1026	1026	1026	1026	1026
July	4	0519	36	147.403	17.80	1026	1026	1026	1026	1026	1026	1026	1026
July	5	0519	36	147.403	17.80	1026	1026	1026	1026	1026	1026	1026	1026
July	6	0519	36	147.403	17.80	1026	1026	1026	1026	1026	1026	1026	1026
July	7	0519	36	147.403	17.80	1026	1026	1026	1026	1026	1026	1026	1026
July	8	0519	36	147.403	17.80	1026	1026	1026	1026	1026	1026	1026	1026
July	9	0519	36	147.403	17.80	1026	1026	1026	1026	1026	1026	1026	1026
July	10	0519	36	147.403	17.80	1026	1026	1026	1026	1026	1026	1026	1026
July	11	0519	36	147.403	17.80	1026	1026	1026	1026	1026	1026	1026	1026
July	12	0519	36	147.403	17.80	1026	1026	1026	1026	1026	1026	1026	1026
July	13	0519	36	147.403	17.80	1026	1026	1026	1026	1026	1026	1026	1026
July	14	0519	36	147.403	17.80	1026	1026	1026	1026	1026	1026	1026	1026
July	15	0519	36	147.403	17.80	1026	1026	1026	1026	1026	1026	1026	1026
July	16	0519	36	147.403	17.80	1026	1026	1026	1026	1026	1026	1026	1026
July	17	0519	36	147.403	17.80	1026	1026	1026	1026	1026	1026	1026	1026
July	18	0519	36	147.403	17.80	1026	1026	1026	1026	1026	1026	1026	1026
July	19	0519	36	147.403	17.80	1026	1026	1026	1026	1026	1026	1026	1026
July	20	0519	36	147.403	17.80	1026	1026	1026	1026	1026	1026	1026	1026
July	21	0519	36	147.403	17.80	1026	1026	1026	1026	1026	1026	1026	1026
July	22	0519	36	147.403	17.80	1026	1026	1026	1026	1026	1026	1026	1026
July	23	0519	36	147.403	17.80	1026	1026	1026	1026	1026	1026	1026	1026
July	24	0519	36	147.403	17.80	1026	1026	1026	1026	1026	1026	1026	1026
July	25	0519	36	147.403	17.80	1026	1026	1026	1026	1026	1026	1026	1026
July	26	0519	36	147.403	17.80	1026	1026	1026	1026	1026	1026	1026	1026
July	27	0519	36	147.403	17.80	1026	1026	1026	1026	1026	1026	1026	1026
July	28	0519	36	147.403	17.80	1026	1026	1026	102				

106448
 714019
 78218
 663351
 480703
 685702
 78157
 09362
 757293
 71056
 73604
 5037
 851591
 71621
 69112
 7841
 790224
 82712
 7247
 74900
 160508
 7030
 40
 258777
 272579
 0651
 701545
 507133
 56714
 06808
 55173
 503025
 027401
 984705
 684738
 23447
 82352
 1773
 782683
 200882
 60596
 3855
 26771

[illegible]

Lead in Oil Mfd Account #2

1932-33 Ref

Aug 4.53 *OSP#1*
ALP
New Burden

688906 3116101
 551.80
 5504-
 688906 3721681

1932-33 Ref

Aug 5.40 *20 Zilo*
OSP

107.240 579580
 41.789 22574
 539.827 291635
 688906 3721681

0007-SWP-0050895

1932-33 Ref

Sept 4.588	Oct 4.684	Nov 4.61	Dec 4.718	Jan 4.732	Feb 4.918	Mar 4.674	Apr 4.713	May 4.554	June 4.835	July 5.079	Aug 5.401
Oct 20	Oct 20	Oct 20	Oct 20	Oct 20	Oct 20	Oct 20	Oct 20	Oct 20	Oct 20	Oct 20	Oct 20
79.509	234.487	234.487	258.035	461.303	645.262	645.262	205.071	205.071	205.071	205.071	205.071
36.478	46.551	10.882	12.364	11.894	13.364	13.364	13.364	13.364	13.364	13.364	13.364

1932-33 Ref

Sept 5.418	Oct 5.365	Nov 5.188	Dec 5.26	Jan 5.208	Feb 5.52	Mar 5.404	Apr 5.671	May 5.515	June 5.56	July 5.67	Aug 5.981
Oct 20	Oct 20	Oct 20	Oct 20	Oct 20	Oct 20	Oct 20	Oct 20	Oct 20	Oct 20	Oct 20	Oct 20
79.509	234.487	234.487	258.035	461.303	645.262	645.262	205.071	205.071	205.071	205.071	205.071
36.478	46.551	10.882	12.364	11.894	13.364	13.364	13.364	13.364	13.364	13.364	13.364

1932-33 Ref

1932-33 Ref

Sept 7 1932

Sept 4 1933

2381

14000

2381

44087

Lead/Bunker

Lead/Bunker

Oct 3 1932

137468

137468

142850

Lead/Bunker

Lead/Bunker

Nov 4 1932

12000

12000

133250

Lead/Bunker

Lead/Bunker

Dec 4 1932

147000

147000

14000

Lead/Bunker

Lead/Bunker

Jan 4 1933

126496

126496

143900

Lead/Bunker

Lead/Bunker

Feb 4 1933

13000

13000

156900

Lead/Bunker

Lead/Bunker

Mar 4 1933

13000

13000

36675

Lead/Bunker

Lead/Bunker

Apr 4 1933

13000

13000

39675

Lead/Bunker

Lead/Bunker

May 4 1933

13000

13000

105650

Lead/Bunker

Lead/Bunker

June 4 1933

105650

105650

516540

Lead/Bunker

Lead/Bunker

July 4 1933

105650

105650

516540

Lead/Bunker

Lead/Bunker

0007-SWP-0050897

1932-33 Ref

May 33rd

1932-33 Ref

May 33rd

1932-33 Ref

May 33rd

1932-33 Ref

May 33rd

1932-33 Ref

May 33rd

1932-33 Ref

May 33rd

1932-33 Ref

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May 33rd

1932-33 Ref

May 33rd

1932-33 Ref

May 33rd

1932-33 Ref

May 33rd

1932-33 Ref

May 33rd

0007-SWP-0050898

Soft peate Lead Account #12

Chicago IL

1932-33 Rec

Sept 4133	600#	146.087
Oct 4133	600#	48.087
Nov 4133	600#	142.850
Dec 4133	600#	133.250
Jan 4133	600#	142.850
Feb 4133	600#	133.250
Mar 4133	600#	133.250
Apr 4133	600#	142.850
May 4133	600#	133.250
June 4133	600#	142.850
July 4133	600#	133.250
Aug 4133	600#	142.850
Sept 4133	600#	146.087

1932-33 Rec

Sept 5133	600#	146.087
Oct 5133	600#	48.087
Nov 5133	600#	142.850
Dec 5133	600#	133.250
Jan 5133	600#	142.850
Feb 5133	600#	133.250
Mar 5133	600#	133.250
Apr 5133	600#	142.850
May 5133	600#	133.250
June 5133	600#	142.850
July 5133	600#	133.250
Aug 5133	600#	142.850
Sept 5133	600#	146.087

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Spl. Soft Paste Lead Mfg Account - The Lowe Bros. Co. Chicago Ills
Chicago Ill

1932-33 Rec

Sept 2nd	1500	253620	33456	7185	857489
3381	253620	33456	7185	857489	217799
651	253620	33456	7185	857489	1344-
Oct 4546	288576	580	124001	1311873	26537
3347	288576	580	124001	1311873	12982
3100	288576	580	124001	1311873	133-
Nov 344	141104	79817	11033	1050-	648924
693	141104	79817	11033	1050-	743236
Dec 353	90880	80430	10450	76-	76459
700	90880	80430	10450	76-	424795
Jan 344	90880	80430	10450	76-	424795
711	90880	80430	10450	76-	424795
Feb 361	51120	49233	6391	133-	156876
715	51120	49233	6391	133-	43869
Mar 494	54624	16000	11463	408-	245145
730	54624	16000	11463	408-	174218
Apr 341	31240	90985	11823	46335	46335
726	31240	90985	11823	46335	46335
May 332	102808	705037	36784	269853	79040
739	102808	705037	36784	269853	40407
	231816			1076770	

1932-33 Rec

Sept 4546	286988	1008	120	1304612	44102
3381	286988	1008	120	1304612	44102
651	286988	1008	120	1304612	44102
Oct 4546	288576	580	140524	1311873	26537
3347	288576	580	140524	1311873	26537
3100	288576	580	140524	1311873	26537
Nov 344	111104	79817	11033	1050-	648924
693	111104	79817	11033	1050-	743236
Dec 353	90880	80430	10450	76-	76459
700	90880	80430	10450	76-	424795
Jan 344	90880	80430	10450	76-	424795
711	90880	80430	10450	76-	424795
Feb 361	51120	49233	6391	133-	156876
715	51120	49233	6391	133-	43869
Mar 494	54624	16000	11463	408-	245145
730	54624	16000	11463	408-	174218
Apr 341	31240	90985	11823	46335	46335
726	31240	90985	11823	46335	46335
May 332	102808	705037	36784	269853	79040
739	102808	705037	36784	269853	40407
	231816			1076770	

0007-SWP-0050900

Spl Soft Paste Lead Mfg Account #1

1932-33 Ref

June 4.64	Inty	12000
3.78	System	321.46
	Inty	43.898
	Gen Burden	377.36
July 4.89	Inty	11000
3.52	System	50870
	Inty	6290
	Gen Burden	68160
Aug 3.75	System	92751
9.38	Inty	12897
	Gen Burden	105648

1932-33 Ref

June 4.89	Inty #2	366.360	17941.30
	Inty	11.000	538.67
	Gen Burden	377.360	1847997
July 4.99	Inty #2	68160	34052
	Inty		
	Gen Burden	68160	34052
Aug 5.32	Inty #2	105648	562090
	Inty		
	Gen Burden	105648	562090

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Debit Credit Card Account #2 - The Lowe Bros. Co.

CHARGE BY

1992-10 Ref			1992-11 Ref		
Sept 4546	Sept 8194 #1	286.988	Sept 4746	Sept 8194 #1	286.988
	Package			Package	
Oct 4504	Sept 8194 #1	286.988	Oct 4744	Sept 8194 #1	286.988
	Package			Package	
Nov 4674	Sept 8194 #1	140.524	Nov 4874	Sept 8194 #1	140.524
	Package			Package	
Dec 4719	Sept 8194 #1	90.880	Dec 4994	Sept 8194 #1	90.880
	Package			Package	
Jan 4795	Sept 8194 #1	90.880	Jan 4995	Sept 8194 #1	90.880
	Package			Package	
Feb 4744	Sept 8194 #1	38.624	Feb 5114	Sept 8194 #1	38.624
	Package			Package	
Mar 5114	Sept 8194 #1	31.240	Mar 5114	Sept 8194 #1	31.240
	Package			Package	
Apr 4709	Sept 8194 #1	105.808	Apr 4809	Sept 8194 #1	105.808
	Package			Package	
May 4615	Sept 8194 #1	105.808	May 4745	Sept 8194 #1	105.808
	Package			Package	
June 4897	Sept 8194 #1	36.636	June 4997	Sept 8194 #1	36.636
	Package			Package	
July 4996	Sept 8194 #1	68.160	July 5096	Sept 8194 #1	68.160
	Package			Package	
Aug 5324	Sept 8194 #1	68.160	Aug 5424	Sept 8194 #1	68.160
	Package			Package	
		105.648			105.648
		572.655			572.655

#1

1932-33 Hot Oct 3347 Sgt. Leno Lead/Bunker	37983 57112	126476 388338	1932-33 Hot Oct 4466 Mfg. #2 Lead/Bunker	43500	102114
Nov 3411 Sgt. Leno Lead/Bunker	43500 115024 15976	330- 44- 202714 393612 110714	Nov 4485 Mfg. #2 Lead/Bunker	43500 110000 11000	302114 302114 102114
Dec 4485 Sgt. Leno Lead/Bunker	131000 12000 57786 8714	98250 613776 61220 203002 60998	Dec 4485 Mfg. #2 Lead/Bunker	131000 64500 14000	613776 61220 203002 60998
Jan 4485 Sgt. Leno Lead/Bunker	78500 14000	378528 67508	Jan 4485 Mfg. #2 Lead/Bunker	78500 50 6950	378528 67508
Feb 4485 Sgt. Leno Lead/Bunker	14000 57786 8714	17508 33754 208654 63314 629- 1528- 365477	Feb 4491 Mfg. #2 Lead/Bunker	14000 59500 14000	17508 33754 208654 63314 629- 1528- 365477
Mar 4491 Sgt. Leno Lead/Bunker	73500 14000 15093 23707	126- 440- 635340 174636 600068 222416 1135- 1664- 117920	Mar 4491 Mfg. #2 Lead/Bunker	73500 15800 36000	126- 440- 635340 174636 600068 222416 1135- 1664- 117920
Apr 4491 Sgt. Leno Lead/Bunker	192800 36000 175923 33027	192800 36000 175923 33027	Apr 4491 Mfg. #2 Lead/Bunker	192800 233000 12000	192800 233000 12000
May 4491 Sgt. Leno Lead/Bunker	245000 15000 98865 16135	245000 15000 98865 16135	May 4491 Mfg. #2 Lead/Bunker	245000 103000 24000	245000 103000 24000
	127000	543919		127000	543919

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0007-SWP-0050904

Chicago, IL

Spl. Soft Paste Lead - BW 102

134 P

1932-33 Ref		1932-33 Ref	
June 4691	24.000	June 4908	188.500
3478	151.108	257461#2	925.074
20.197	548.508	17.000	83436
205.500	192.994		
17.000	1456-		
205.500	1008.510		
236.500	823.336		
	337433		
	511-		
	2208-		
	1503.108		
	1572.10		
	518.889		
	186.543		
	11.97		
	12.64		
	844442		
	168.000		
	874945		

1933-33 Ref	1932-33 Ref	1933-33 Ref	1932-33 Ref
Oct 4.66 <i>Wm. H. H. #1</i>	Oct 4.66 <i>Wm. H. H. #1</i>	Oct 4.66 <i>Wm. H. H. #1</i>	Oct 4.66 <i>Wm. H. H. #1</i>
Nov 4.68 <i>Wm. H. H. #1</i>	Nov 4.68 <i>Wm. H. H. #1</i>	Nov 4.68 <i>Wm. H. H. #1</i>	Nov 4.68 <i>Wm. H. H. #1</i>
Dec 4.68 <i>Wm. H. H. #1</i>	Dec 4.68 <i>Wm. H. H. #1</i>	Dec 4.68 <i>Wm. H. H. #1</i>	Dec 4.68 <i>Wm. H. H. #1</i>
Jan 4.68 <i>Wm. H. H. #1</i>	Jan 4.68 <i>Wm. H. H. #1</i>	Jan 4.68 <i>Wm. H. H. #1</i>	Jan 4.68 <i>Wm. H. H. #1</i>
Feb 4.68 <i>Wm. H. H. #1</i>	Feb 4.68 <i>Wm. H. H. #1</i>	Feb 4.68 <i>Wm. H. H. #1</i>	Feb 4.68 <i>Wm. H. H. #1</i>
Mar 4.68 <i>Wm. H. H. #1</i>	Mar 4.68 <i>Wm. H. H. #1</i>	Mar 4.68 <i>Wm. H. H. #1</i>	Mar 4.68 <i>Wm. H. H. #1</i>
Apr 4.68 <i>Wm. H. H. #1</i>	Apr 4.68 <i>Wm. H. H. #1</i>	Apr 4.68 <i>Wm. H. H. #1</i>	Apr 4.68 <i>Wm. H. H. #1</i>
May 4.68 <i>Wm. H. H. #1</i>	May 4.68 <i>Wm. H. H. #1</i>	May 4.68 <i>Wm. H. H. #1</i>	May 4.68 <i>Wm. H. H. #1</i>
June 4.68 <i>Wm. H. H. #1</i>	June 4.68 <i>Wm. H. H. #1</i>	June 4.68 <i>Wm. H. H. #1</i>	June 4.68 <i>Wm. H. H. #1</i>
July 4.68 <i>Wm. H. H. #1</i>	July 4.68 <i>Wm. H. H. #1</i>	July 4.68 <i>Wm. H. H. #1</i>	July 4.68 <i>Wm. H. H. #1</i>
Aug 4.68 <i>Wm. H. H. #1</i>	Aug 4.68 <i>Wm. H. H. #1</i>	Aug 4.68 <i>Wm. H. H. #1</i>	Aug 4.68 <i>Wm. H. H. #1</i>
157.000	157.000	157.000	157.000

Spl. Soft Paste Lead - BW 103 1/2 Bu/100

Chicago WL

1932-33 Ref

Oct 3347	System	130.500	436.184	Oct 4647	3 Bu/100 Mils	150000	649049
688	Lead/Bu/100	19500	1442	133575			
Nov 344	System	150000	1125	1471059		150000	649049
693	Lead/Bu/100	9161	58	204766			
Dec 3513	System	26457	51250	634493	Nov 47M 2 Bu/100 Mils	60000	32584
700	Lead/Bu/100	3543	33409	58			
Jan 344	System	6525	22945	41807	Dec 4804 2 Bu/100 Mils	30000	32584
711	Lead/Bu/100	95	200	200			
Feb 361	System	7500	145615	1968	Jan 4804 2 Bu/100 Mils	7500	36704
725	Lead/Bu/100	9512	6932	22712			
Mar 355	System	60000	480	18270	Feb 509 2 Bu/100 Mils	60000	305425
341	Lead/Bu/100	15281	305425	118270			
Apr 3326	System	261513	571454	309873	Apr 479 2 Bu/100 Mils	306000	1465769
739	Lead/Bu/100	45460	1465769	19978			
June 3478	System	279000	1344403	2448	May 4837 2 Bu/100 Mils	279000	1344403
808	Lead/Bu/100	73800	1308444	335949			
			22333	3600	June 502 2 Bu/100 Mils	150000	2287061
			2287061	450000			

1932-33 Ref

July 3 Sm. System
July 9 200 (Mick)

193440
37560

1932-33 Ref

July 5.316 Sm. Mda
July 5.531 Sm. Mda

231000

1228004

Aug 3.35 Sm. System
Aug 9.38 Sm. System

731000
10086
1414

731000
1228004

66376

170000

66376

170000

66376

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Zinc Lead in Oil Mfg Account #1

Chicago WL

1932-33 Ref			
Sept	4.588	Separator	2795
	6.51	Oil	17792
	4.63	Oil	798
		Oil	9450
		Oil	100
		Oil	30935
Oct	4.684	Separator	36671
	6.85	Oil	2079
	4.73	Oil	20050
		Oil	400
		Oil	59200
		Oil	2500
Nov	5.113	Separator	104770
	4.61	Oil	5680
	6.93	Oil	55400
	4.75	Oil	168300
		Oil	2500
		Oil	80890
		Oil	3840
		Oil	41300
		Oil	128530
		Oil	500
		Oil	1590
		Oil	60
		Oil	650
		Oil	2800
		Oil	40
		Oil	2
		Oil	18
		Oil	60
		Oil	60

1932-33 Ref			
Sept	5.011	To Zilo #2	309
		Crutty	3093
		Crutty	1670
		Crutty	250
		Crutty	1658
		Crutty	250
		Crutty	16830
		Crutty	1280
		Crutty	12853
		Crutty	2800
		Crutty	60
		Crutty	60

"Over"

Time Used in Oil Rig Account #12

Chicago, Ill.

1932-33 Rec		1933-34 Rec	
Sept 5011	360 #1 Chickagee	Sept 5104	20 mfd Mda
	30935		30935
Oct 5113	360 #1 Chickagee	Oct 5194	20 mfd Mda
	30935		30935
Nov 5045	360 #1 Chickagee	Nov 506	20 mfd Mda
	165800		165800
Dec 5111	360 #1 Chickagee	Dec 5563	20 mfd Mda
	128030		128030
Jan 4855	360 #1 Chickagee	Jan 5305	20 mfd Mda
	28000		28000
Feb 4933	360 #1 Chickagee	Feb 5883	20 mfd Mda
	28000		28000
Mar 5194	360 #1 Chickagee	Mar 5903	20 mfd Mda
	26737		26737
May 5039	360 #1 Chickagee	May 5555	20 mfd Mda
	123335		123335
June 5553	360 #1 Chickagee	June 6076	20 mfd Mda
	123335		123335
July 5458	360 #1 Chickagee	July 6035	20 mfd Mda
	238185		238185
Aug 5865	360 #1 Chickagee	Aug 6505	20 mfd Mda
	194700		194700
	194700		194700

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0007-SWP-0050911

1932-33 Ref		1933-33 Ref	
Sept	4581 Separator 651 463	Sept	5022 26503 #2 6375
	3993 442 1800		3457
Oct	4644 Separator 683 473	Oct	5229 26503 #2 6275
	75338 10712 41450		127500
Nov	4674 Separator 712 465	Nov	5415 26503 #2 54350
	37509 31306 18232		127500
Dec	4674 Separator 712 465	Dec	5415 26503 #2 54350
	37509 31306 18232		127500
Jan	4674 Separator 712 465	Jan	5415 26503 #2 54350
	37509 31306 18232		127500
Feb	4674 Separator 712 465	Feb	5415 26503 #2 54350
	37509 31306 18232		127500
Mar	4674 Separator 712 465	Mar	5415 26503 #2 54350
	37509 31306 18232		127500
Apr	4674 Separator 712 465	Apr	5415 26503 #2 54350
	37509 31306 18232		127500
May	4674 Separator 712 465	May	5415 26503 #2 54350
	37509 31306 18232		127500
June	4674 Separator 712 465	June	5415 26503 #2 54350
	37509 31306 18232		127500

[illegible]

1932-33 Ref

Sept 5089	Chicago	6275
Oct 5089	Chicago	6275
Nov 5089	Chicago	12750
Dec 5089	Chicago	54350
Jan 5089	Chicago	54350
Feb 5089	Chicago	9600
Mar 5089	Chicago	34375
Apr 5089	Chicago	34375
May 5089	Chicago	68700
June 5089	Chicago	68700
July 5089	Chicago	70750
Aug 5089	Chicago	70750

1932-33 Ref

Sept 5089	Chicago	6275
Oct 5089	Chicago	6275
Nov 5089	Chicago	12750
Dec 5089	Chicago	54350
Jan 5089	Chicago	54350
Feb 5089	Chicago	9600
Mar 5089	Chicago	34375
Apr 5089	Chicago	34375
May 5089	Chicago	68700
June 5089	Chicago	68700
July 5089	Chicago	70750
Aug 5089	Chicago	70750

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Mfd Price Carbonate

		1922-23 Ref	
Sept 4.45	398.200	1.933.198	
Oct 4.383	422.950	1.869.620	
Nov 4.453	424.150	3.802.818	
Dec 4.657	259.125	3.327.024	
Jan 4.542	1.102.275	2.966.645	
Feb 4.979	6.666.605	1.111.240	
Mar 4.979	224.875	2.509.255	
Apr 5.204	538.860	1.260.755	
May 4.35	278.5675	1.817.970	
June 4.525	480.300	1.440.592	
July 4.736	318.5925	3.327.581	
Aug 4.451	6.7860	4.745.107	
Sept 4.3047	325.375	307.293	
Oct 4.605	6.1600	356.73	
Nov 4.783	33.21333	150.96073	
	1.7.475	6.5446	
	3.333908	151.6119	
	461.400	200.68.93	
	6325	2.4472	
	3801.333	1.11.4882	
	217.500	98.4238	
	30.150	13.1877	
	4049.283	18.31.0997	
	6.7560	2898.51	
	13.55	1601.51	
	4123.998	18.6610	
	1035	6.521	
	20248	26.3355	
	556.825	10.50	
	1.1.1.600	2142.1092	
	4202.296		

26 Mtd to July 31

1922-23 Ref

Carbonate Purchased

Childs

Q932-33 Ref

June 17, 1950

Stanley Frost

Dug: A23785

12932-33 Ref

July 31

De Meester J. J.

9.51.415
9.51.415

0.70.103
19.11.518

127.810
269328

1

5003844

57161.760
10465604

699155

100

July 31

1

Figure 1. Schematic representation of the experimental design. The subjects were divided into two groups: the control group and the experimental group. The control group was divided into two subgroups: the control group and the experimental group. The experimental group was divided into two subgroups: the control group and the experimental group. The control group was divided into two subgroups: the control group and the experimental group. The experimental group was divided into two subgroups: the control group and the experimental group.

10

100

100

10

100

10

1. *Chlorophyll a* and *Chlorophyll b* contents were determined by spectrophotometry using the method of Lichtenthaler and Whaley (1987).

100

10

100

1

10

100

10

(continued)

100

100% 90% 80% 70% 60% 50% 40% 30% 20% 10% 0%

0007-SWP-0050915

Ktd Ndsr O.D.P.

1992-93 Ref

852132 Ref
Exp 5478
Oct 5365
Nov 5188
Dec 526
Jan 5208
Feb 552
Mar 5404
Apr 5671
May 5455
June 552
July 562
Aug 5981

809968	447545
79509	435516
884111	1110169
234487	1243459
1123964	6114426
278035	1388774
1381999	144237-
461303	4426617
1842392	6940317
645262	3380959
2488564	13281276
205973	1131970
2693636	11113446
27634	1197457
291570	15610703
19167	7332585
3044437	16343288
250217	1312578
3294654	17115806
374589	1536502
3569243	16182308
639216	3417327
4189459	26118634
539827	3298632
4724286	21816667

Aug 31
to 31st July
1992

2391385
645970

DATA

1932-33 Ref

7/63094

102.26
142.85

05

77963

700

2020
2020
2020

03, 600
05, 650

6975

1600

2425
7037

9.62

2012

2nd Med + Ind

(1) Study

1992

150

100

1990

10

1990

100

...the ...

100

1990

244

100

[illegible]

100

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0007-SWP-0050917

Best Rock Lead

The Lowe Bros. Spl.

Chicago Ill.

1932-33 Best
 Sept. 1932
 Oct. 4799
 Nov. 4814
 Dec. 499
 Jan. 4995
 Feb. 514
 Mar. 509
 Apr. 4809
 May 4745
 June 4997
 July 5096
 Aug. 512

99968
 386988
 386956
 140524
 527480
 90880
 615340
 90880
 709240
 50552
 759792
 38624
 790416
 31740
 229656
 102808
 432464
 519816
 1152280
 366360
 151160
 1586800
 105648
 1692448

116835
 1362873
 1878887
 2514355
 2513245
 442771
 2916211
 453426
 3449692
 322531
 3702223
 198538
 3900161
 162143
 4063404
 442432
 1518279
 1043212
 5401291
 1830766
 7432657
 342342
 7799101
 112605
 732056

Aug 31
 1934
 1935

1936
 1937

1932-33 Ref
 Oct 4.885
 Nov 4.885
 Dec 5.017
 Jan 5.017
 Feb 5.117
 Mar 4.951
 Apr 4.904
 May 4.797
 June 5.008
 July 5.011
 Aug 5.127

43.500
 43.500
 119.000
 119.500
 64.500
 227.000
 227.050
 59.500
 286.550
 156.800
 443.350
 232.000
 676.350
 163.500
 779.350
 188.500
 967.850
 283.500
 1251.350
 157.000
 1106.350

2114.11
 2114.11
 5813.56
 7927.70
 3234.17
 1116.682
 251
 169.33
 307.714
 1494.647
 776.284
 2260.931
 1142.672
 3342.163
 493.611
 337.214
 943.924
 478.1138
 1460.348
 626.336
 8520.12
 1153.98

1932-33 Ref

Aug 31
 23M
 1932-33
 631.5188
 798.215

Spl. Soft Paste Lead - BW 102 104
 Manufactured Mdee.

Chicago, Ill.

Chicago IL

Spl Pulp Lead W'd Ndeo

Chicago, Ill.

1932-33 Ref
 Jan 5.083
 Feb 5.167
 Mar 5.643
 Apr 4.567
 May 4.836

9000
 189900
 198900
 144400
 343800
 18000
 361800
 211000
 573300

1932-33 Ref
 457149
 457149
 980414
 1156113
 1156113
 750769
 766932
 821113
 1839045
 1022240
 2861785

Aug 31
 20 Miles Daily

20 Miles Daily

644/6828
1015446

Soft Paste 2110 - MCI M800

Chicago Ill.

1932-33 Ref
Sept 5836
Oct 5825
Nov 5989
Dec 5649
Jan 5889
Feb 5671
Mar 6111
Apr 6133
May 6443

41675
62325
47950
127100
173450
574350
229800
9600
236400
34375
273725
68300
342475
70750
413225
136715
549950
72000
62000

257131
36623
270753
742641
1033394
325444
1318893
67227
413118
202431
1615549
386273
2001772
432217
5434019
638461
3212180
464333
3136713

1932-33 Ref
Aug 31
20 M Dec 24
July

3411972
200736
1811131

Dry Leaded Zinc

Chicago #1

1932-33 Dec

Sold 116508

MS Oct 16.68

8950 359.17

Oct 921746

1020332 96315 ✓

174237 96315 ✓

538 37635 ✓

116485 Deuce

41600-19685

111390 34428

111390 34428

111390 34428

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111390 34428

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1932-33 Ref

Apr 11/11 Source

May 13/13 Sold U.R. 67

Apr 19/19 Sold

Apr 17/17 Sold U.R. 67

Apr 19/19 Sold

Apr 16/16 Sold U.R. 67

Apr 11/11 Source

Apr 11/11 Source

Apr 11/11 Source

08550-1165525

97000

65500

74300

65500

62400

60000

60150

18750

120000

20000

423966

3223686

17120

294235

1150

3650728

294010

17115

1330

1500

496550

65600

46500

70400

62400

29050

18000

778050

21150

89950

42100

93100

55150

2348908

3091

217620

195472

136535

846

3676498

100463

424204

198544

4399709

26963

354257

1082550

22500

73650

55150

1082550

5589742

5589742

5589742

5589742

5589742

5589742

5589742

5589742

Chicago, IL

Merchandise Packages Dry Load

932-33 Ref
Sgt. Wood

1004-1098
1017-1030
1017-1030

926-37 217

1017-1030

Oct 1003-1150
968-217 631.85

1017-1030

1017-1030

1017-1030

1017-1030

Nov 1120-164
244 329.71

1017-1030

1017-1030

1017-1030

1017-1030

1017-1030

Dec 1017-1030
49.03

1017-1030

1017-1030

869-56 1932-33 Ref
Sgt. A. L. L. Wood

1017-1030

1017-1030

1017-1030

1017-1030

1017-1030

1017-1030

1017-1030

1017-1030

1017-1030

1017-1030

1017-1030

1017-1030

1017-1030

1017-1030

1017-1030

1017-1030

1017-1030

Oct 1017-1030
631.85

1017-1030

1017-1030

1017-1030

1017-1030

1017-1030

1017-1030

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1017-1030

1017-1030

1017-1030

1017-1030

1017-1030

1017-1030

1017-1030

[illegible]

[illegible]

Chicago RL

Merchandise Packages - Load In o12

1933-33 Ref
Exp 2/24/33
Exp 2/24/33
Exp 2/24/33

Exp 2/24/33

1487787

Oct 102031 Labels

Exp 2/24/33
Exp 2/24/33
Exp 2/24/33

Exp 2/24/33
Exp 2/24/33
Exp 2/24/33

Exp 2/24/33
Exp 2/24/33
Exp 2/24/33

Exp 2/24/33
Exp 2/24/33
Exp 2/24/33

Nov 117078 Labels
Exp 2/24/33
Exp 2/24/33
Exp 2/24/33

Exp 2/24/33
Exp 2/24/33
Exp 2/24/33

Nov 117078 Labels
Exp 2/24/33
Exp 2/24/33
Exp 2/24/33

Nov 117078 Labels
Exp 2/24/33
Exp 2/24/33
Exp 2/24/33

Exp 2/24/33
Exp 2/24/33
Exp 2/24/33

Exp 2/24/33
Exp 2/24/33
Exp 2/24/33

Exp 2/24/33
Exp 2/24/33
Exp 2/24/33

Jan 117078 Labels
Exp 2/24/33
Exp 2/24/33
Exp 2/24/33

Exp 2/24/33
Exp 2/24/33
Exp 2/24/33

Exp 2/24/33
Exp 2/24/33
Exp 2/24/33

Exp 2/24/33
Exp 2/24/33
Exp 2/24/33

Exp 2/24/33
Exp 2/24/33
Exp 2/24/33

1932-33 Ref
Exp 2/24/33
Exp 2/24/33
Exp 2/24/33

Exp 2/24/33

Exp 2/24/33

Exp 2/24/33

Oct 117078 Labels
Exp 2/24/33
Exp 2/24/33
Exp 2/24/33

Exp 2/24/33
Exp 2/24/33
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Nov 117078 Labels
Exp 2/24/33
Exp 2/24/33
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Nov 117078 Labels
Exp 2/24/33
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Nov 117078 Labels
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Exp 2/24/33
Exp 2/24/33

Exp 2/24/33
Exp 2/24/33
Exp 2/24/33

Jan 117078 Labels
Exp 2/24/33
Exp 2/24/33
Exp 2/24/33

Exp 2/24/33
Exp 2/24/33
Exp 2/24/33

Exp 2/24/33
Exp 2/24/33
Exp 2/24/33

Exp 2/24/33
Exp 2/24/33
Exp 2/24/33

Exp 2/24/33
Exp 2/24/33
Exp 2/24/33

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Merchandise Packages - Lead in Oil

Chicago WI

1932-33 Ref
 Jan 230610 Lano
 Curb 86
 Feb 230610 21
 P.O. 2034 1 leg
 2104 1 leg
 2127 1 leg
 2128 1 leg
 231035 21
 A70717 Service
 231577 21
 C71146 Cases
 C71146 Cases
 P71146 Cases
 May 330506 Labels 2030.16
 747 1 leg
 115 1 leg
 667 1 leg
 P.O. 3002 Labels
 3107 1 leg
 3145 1 leg
 A70737 1 leg
 C71146 Cases
 Curb 86
 Apr P.O. 3216 Cases 7790.170
 460 1 leg
 464 1 leg
 465 1 leg
 4116 1 leg
 431496 Labels 12.99
 1255 1 leg
 432087 1 leg
 P.O. 4118 1 leg
 May 530496 Labels 22.156.10
 115 1 leg
 955 1 leg
 1104 1 leg
 P.O. 5149 1 leg

1932-33 Ref

9540
 1575
 338756
 1520
 35131
 16250
 158373
 206322
 8064
 2780
 10080
 1365
 14928
 7796
 400170
 330
 1933
 2278
 1942
 659
 701
 180288
 1050
 12006
 2323
 424987
 876
 886
 15372
 45109
 43998
 63063
 1965
 4075
 1111
 48576
 250
 4377986
 15
 2451
 470
 2580
 8450

Feb A70713 Used
 20716 Sold
 Curb 86
 731786

May 330280 Sold
 A70734 Used
 70735

Apr 430803 Sold
 A7118 Used
 71121

May 53110 Sold
 1101
 1103
 1105

1525693
 179424
 1688
 81
 238
 181431
 1707124
 387
 239085
 13106
 25271
 1939702
 144
 18527
 17353
 20757
 2162376
 2075
 114
 663
 311

0007-SWP-0050930

1930-33 Ref

May 31, 1936 Fueling
New 904 10
New 116 Source
New 116 116 90

5783 1096
 22658 1096
 105184 1096
 53230 1096
 221449 1096
 1151388 1096

1-150288 Fuel 1917396

PO 6075
 631014 Source
 7030 1096
 PO 6177 1096
 632366 1096
 PO 6301 1096
 6340 1096

July PO 1440 1096
 1095 1096
 130083 1096
 310 1096
 1398 1096
 PO 7138 1096
 7205 1096
 1230 1096
 731745 1096
 42346 1096
 410197 1096
 408192 1096

July 13, 1936 1096
 118001 1096
 8003 1096
 8070 1096
 830316 1096
 147 1096
 181 1096
 118150 1096

1932-33 Ref
July 1934 Used

7- 1096
 968 1096
 3182 1096
 1114 1096
 1153 1096
 1096 1096
 47953 1096
 1165 1096
 360 1096
 2809 1096
 4886 1096
 4511740 1096
 513 1096
 545 1096
 1430 1096
 4515 1096
 314538 1096
 9569 1096
 1326 1096
 4311 1096
 473 1096
 1152 1096
 243537 1096
 429 1096
 860 1096
 2- 1096
 150 1096
 854 1096
 263306 1096
 4522 1096
 671 1096
 24145 1096
 2905 1096
 934 1096
 197 1096
 33613 1096
 374104 1096
 2790 1096
 80 1096
 344389 1096
 10851 1096
 85 1096
 8064 1096
 13209 1096

July 1934 Used
 13195 1096
 1911 1096

3696342 1096
 693356 1096
 382 1096
 125 1096
 308249 1096
 673 1096
 350 1096
 174 1096
 4588 1096
 4605 1096
 2536244 1096

Chicago, Ill

0007-SWP-0050932

Memo Chicago. Spd. Lead in (C) Drum

150-	July 13 1938	357	1785-
840-		8	140-
720-		312	130-
680-			115-
550-	Aug 12 1945	3986	19930-
675-	Aug 24 1946	100	500-
2000-		33	115-
317.5-		77	20315-
25755-	Aug 31	4063	5440-
25755-	Aug 31		25755-

Account

(M)

30
168
144
136
456
110
135
400
67

Aug 31