REPORT OF ORE DRESSING AND METALLURGICAL LABORATORIES.

Test No.

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A shipment of six sacks containing 645 pounds of heat-treated Sullivan ore was received on January 8th, 1919 from the Consolidated Mining and Smelting Co. Ltd., of Trail, B.C. Previous shipments of this ore consisted of a 10 pound sample and also a sack containing about 100 pounds.

The object of the test work was to determine whether a satisfactory separation could be made of the zinc-lead values from the Iron by the use of the Grondal Wet Magnetic Separator.

For a preliminary test the 100-pound lot was taken and ground to the following:

On 200 - 45%; through 200 - 55%.

A sample was cut out which gave the following analysis:Fe, - 30.20%; Zn, - 20.00%; Pb, - 13.35%

The Grondal Separator was adjusted so that the feed in passong over the bridge in the magnetic field would be as close to the magnets as possible. The strongest field possible for our installation was used, namely 6.5 amperes X - 110 volts.

95 pounds of the heat treated ore ground to the fineness given above was fed to the separator and the magnetic
and non-magnetic products caught. Very little magnetic
product was obtained, so little that the test was considered a failure.

The non-Magnetic product from the Grondal Separation was run through the Ullrich Magnetic Separator. A separation was here made so it was decided to make a test run on the heat treated ore, through this separator.

For this test the shipment of 645 pounds was taken and crushed to the fineness given in the Screen Test of the Table. It was then out in two, one lot held and the other sampled down for analysis and for the test run. The following is the analysis of the ore to the Separator:-

Pe - 30.80% : Zn. - 21.18% : Pb. - 12.17%

The rings on the Separator were adjusted as follows:-

Ring # 1. - # from Riels plate.

The Magnetic Field obtained was from a current strength of 10 amperes x 110 volts.

Six products were made, a magnetic product from each ring, and two non-magnetic products namely, a middling and Zinc-Lead product. The results of this spearation are given in the table.

The magnetic products were reground to the fineness given in the Screen tests of the table, and rerun through the Separator. The results of these truns are also given in the table, as well as a ummary of the separation on this ore.

501		FIA	257	SEP	ARATION	07	II.	EAT-TR	FATE	-					
	reen	Test.									ORE				
Tyler		Percent.	Cumalative			Wt.	200	alysis	ra	tion					
Standard	Grams.	rertent.	Percent.		Product.	Lbs.	% Fe.		4/ 5/		ontei			rcenta	
+65		0.2	0.2		Ring Nº 1.	73.5		%Zn.	% Pb.		Lbs. ZH.	Lbs. Pb.	Fe	Zn.	Ph.
65 +100					Ring Nº 2.	7.0	52.0 49.6	5.57	5.10	38.220	4.094	3.7.48	41.3	6.4	10.2
		6.0	6.2		Ring No3.	35.0	50.6	6.32	5.57	3.472	2.138	1.959	3.8	3.4	5.3
100 + 150	459		27.9		Ring No.4.	51.0	30.9	22.02	9.80	15.759	11.230	4.998	17.0	17.6	13.7
150 tzoo	680	32.1	60.0		Middlings	20.5	12.0	31.06	21.35	2.460	6.367	4.377	2.7	10.0	12.0
	847	40.0	40.0		Zinc-Lead	93.5	11.6	33.83	18-83	10.846	31.631	17.606	11.7	12.2	9.6
TOTALS	2119	100.0			SLIME LOSS	20.0	20.4	38.72	17.56	4.087	7.744	3.513	4.4	100.0	100.0
					TOTALS -	300.5	30.8	21.18	12.17	92.554	63.646	36.571	100.0	100.0	700.0
		SE	PARATIO	N of	RING Nº 4. PRO	DUCT	after	REGRI	NDING						
						2.50	54.05	3.91	4.12	1.486	0.108	0.113	9.5	0.9	2.3
-100 +150	0 39				Ring Nº 2.	0.25	55.05	3.57	4.02	4.954	0.321	0.362	31.6	2.9	7.3
			5.6		Ring Nº3.	9.00	43.35	12.97	4.66	4.768	1.427	0.513		12.8	10.3
					Middlings	4.50	16.60	34.45	11.51	3.403	7.062	2.360	21.7	63.2	47.4
					Zinc-Lead	16 00									
					Slime Loss	7.50	14.28	30.09	21.67	1.071	2-257	1.625	-	20.2	32.7
TOTALS					TOTALS -		30.90	22.02	9.80	15.682	11.175	4.973	100.0	100.0	100.0
		SE		IN of	RING Mes. PRO	DUCT	after	REGRI	NDING			1 1 1 2 2			
					Ring Nel	16.0	1 5660	225	7.44	0 (00	A 700	0583	55.1	10.1	-
						1.0	56.60	2.25	3.44	9.622	0.382			18.1	30.6
					Ring Nº3	7.5 3.5	57.15	2.05	2.70	4.286	0.154	0.202		7.3 8.4	5.4
					Zinc-Lead	3.0	23.85	25.60	16.44	0.954	1.024	0 658	5.5	48.6	34.
					Slime Loss	2.5	28.28	14.88	14.48	0.707	0.372	0 36	2 4.1	17.6	19.0
TOTALS	47/3				TOTALS -	34.5	50.60	6.11	5.54	17.457	2.108	1911	100.0	100-0	100.
			PARATIO	ON of	RING Nº1 + Nº 2	PRODU	ICTS	after	REGI	RINDING					
					Ring No1.	42.0									
					Ring Nº2.	1.0	57.15	1.53	2.34	24.574	0.658	1006		14.6	24.4
					Ring No3.		56.80		2.14		0.280			6.2	8.6
					Ring NOA. Middlings	6.5	54.70	3.89	2.90	3.555	0.253	0/88	8.6	5.6	4.6
	469				Zine-Lead.	3.5 5.5	26.05	23.19	15.49	2.344	2.087	1.394	5.7	46.4	33.9
		87.0	87-0		Slime Loss		31.74	24.52	23.42	1.587	1.226	1.171	3.8	27.2	28.5
					TOTALS -	80.0	51.79	5.63	5.14	41.432	4.504	4.112	100.0	100.0	100.0
						- Sum	MAR	V-							
						-SUM			cT5 -						
					— Сомв	INED /	RON F	PRODU		1	0:108	04/2			
IRON PR	ODUCTS	REPRES	ENT		— COMB Rings Nº/42 Rer un of Nº 4	INED /	RON F		4.12	/·486 4.954	0.108	0:113			
35%	by WEI	GHT OF	ENT		— Сомв	NED /1 2.75 9.00	RON F 54.05 55.05	3.91 3.57		1.486		0.362			
35%	ODUCTS % by WEI	GHT OF	ENT		— COMB. Rings 19942 Rerun of 1994 Rings 1995 Rerun of 1994 Rings 19942 Rerun of 1995 Rings 1993 Rerun of 1995	NED // 2.75 9.00 3. /7.00 3. 7.50	80N F 54.05 55.05 56.60 57.15	3.91 3.57 2.26 2.05	4·12 4·02 3·44 2·70	1.486 4.954 9.622 4.286	0·32/ 0·382 0·154	0.362			
35%	by WEI	GHT OF	SNT		— COMB. Rings 19142 Rerun of 1994 Ring 1993 Rerun of 1994 Rings 19942 Rerun of 1993 Ring 1993 Rerun of 1993 Ring 1994 Rerun of 1993	INED /1 2.75 3.00 3. 17.00 3. 7.50 3. 3.50	80N F 54.05 55.05 56.60 57.15 53.95	3.91 3.57 2.26 2.05 5.04	4.12 4.02 3.44 2.70 2.97	/·486 4·954 9·622 4·286 /·888	0.321 0.382 0.154 0.176	0.362 0.585 0.202 0.104			
35%	by WEI	GHT OF	SNT		— COMB. Rings 19142 Rerun of 1914 Rings 1915Rerun of 1924 Rings 19192 Rerun of 192 Rings 1925Rerun of 193 Ring 1925Rerun of 193 Rings 19342Rerun of 193	NED // 2.75 9.00 3. /7.00 3. 7.50 3. 3.50 2. 43.00	80N F 54.05 55.05 56.60 57.15 53.95	3.91 3.57 2.26 2.05 5.04 1.53	4·12 4·02 3·44 2·70 2·97 2·34	/·486 4·954 9·622 4·286 /·888 24·574	0·32/ 0·382 0·154 0·176 0·658	0:362 0:583 0:202 0:104 1:006			
35%	by WEI	GHT OF	SNT		— COMB. Rings 1914 2 Rerun of 1914 Rings 1937 Rerun of 1924 Rings 1914 2 Rerun of 1938 Rings 1934 Rerun of 1938 Rings 1934 2 Rerun of 1934 Rings 1934 2 Rerun of 1934 Rings 1934 3 Rerun of 1934	NED /1 2.75 3.00 3. 17.00 3. 7.50 3. 3.50 2. 43.00 2. 16.50	80N F 54.05 55.05 56.60 57.15 53.95 57.15	3.91 3.57 2.26 2.05 5.04 1.53	4·12 4·02 3·44 2·70 2·97 2·34 2·14	/·486 4·954 9·622 4·286 /·888 24·574 9·372	0.321 0.382 0.154 0.176 0.658 0.280	0.362 0.585 0.202 0.104 1.006	5		
35%	by WEI	GHT OF	SNT		— COMB. Rings 1914 2 Rerun of 194 Rings 1954 Rerun of 195 Rings 1954 Rerun of 195 Ring 1954 Rerun of 195 Ring 1954 Rerun of 196 Rings 1954 Rerun of 196	NED / 2.75 9.00 3. 17.00 3. 7.50 3. 3.50 2. 43.00 2. 16.50 2. 6.50	80N F 54.05 55.05 56.60 57.15 53.95 57.15 56.80 54.70	3.91 3.57 2.26 2.05 5.04 1.53 1.70 3.89	4·/2 4·02 3·44 2·70 2·97 2·34 2·/4 2.90	/·486 4·954 9·622 4·286 /·888 24·574 9·372 3·555	0·32/ 0·382 0·154 0·176 0·658 0·280	0 362 0 585 0 202 0 104 1 006 0 353	5	3.7	8.6
35%	by WEI	GHT OF	SNT		— COMB. Rings 19142 Rerun of 1994 Rings 19142 Rerun of 1994 Rings 19142 Rerun of 1993 Rings 1904 Rerun of 1993 Rings 1904 Rerun of 1991 Rings 19142 Rerun of 1991 Rings 19144 Rerun of 1991 Rings 1904 Rerun of 1991 TOTALS —	INED // 2 2.75 2 9.00 3 17.00 3 7.50 3 3.50 2 43.00 2 16.50 2 6.50	80N F 54.05 55.05 56.60 57.15 53.95 57.15 56.80 54.70 56.49	7RODU 3.91 3.57 2.26 2.05 5.04 1.53 1.70 3.89 2.21	4·/2 4·02 3·44 2·70 2·97 2·34 2·/4 2.90 2·75	/·486 4·954 9·622 4·286 /·888 24·574 9·372	0.321 0.382 0.154 0.176 0.658 0.280	0 362 0 585 0 202 0 104 1 006 0 353	5	3.7	8-0
35%	by WEI	GHT OF	SNT		— COMB. Rings 19142 Rerun of 1944 Rings 1937 Rerun of 1944 Rings 1934 Rerun of 1998 Rings 1934 Rerun of 1998 Rings 1934 Rerun of 1991 Rings 1944 Rerun of 1991 Rings 1944 Rerun of 1991 Rings 1944 Rerun of 1991 TOTALS— — GOMBINED	INED // 2.75 2.9.00 3. /7.00 3. 7.50 3. 3.50 2. 43.00 2. /6.50 2. /6.50 2. /05.75	FON F 54.05 55.05 56.60 57.15 53.95 57.15 56.80 54.70 56.49	7.00 U 3.91 3.57 2.26 2.05 5.04 1.53 1.70 3.89 2.21	4·12 4·02 3·44 2·70 2·97 2·34 2·14 2·90 2·75	/·486 4.954 9.622 4.286 /·888 24.574 9.372 3.555 59.737	0·32/ 0·382 0·154 0·176 0·658 0·280 0·253 2·332	0 362 0 583 0 202 0 104 1 006 0 353 0 188 2 9 13	65.0	3.7	8.6
35 % OR	& By WEI	GHT of ORE.			— COMB. Rings 19142 Rerun of 194 Rings 19142 Rerun of 199 Rings 19142 Rerun of 199 Ring 1993 Rerun of 199 Rings 1994 Rerun of 199 Rings 1994 Rerun of 199 Rings 1994 Rerun of 1991 Rings 1994 Rerun of 1991 TOTALS— GOMBINED Middlings First Separatio	1NED /1 2.75 2.9.00 3.17.00 3.7.50 3.3.50 2.43.00 2.16.50 2.6.50 105.78	FON F 54.05 55.05 56.60 57.15 53.95 57.15 56.80 54.70 56.49 LEAD	7RODU 3.91 3.57 2.26 2.05 5.04 1.53 1.70 3.89 2.21 PRODU	4.12 4.02 3.44 2.70 2.97 2.34 2.14 2.90 2.75	/·486 4.954 9.622 4.286 /·888 24.574 9.372 3.555 59.737	0·32/ 0·382 0·154 0·176 0·658 0·280 0·253 2·332	0 362 0 583 0 202 0 104 1 006 0 353 0 188 2 9 13	65.0	3.7	8.6
ZINC PR	RODUCTS	GHT of ORE.			— COMB. Rings 19142 Rerun of 194 Rings 19142 Rerun of 194 Rings 19142 Rerun of 194 Rings 1943 Rerun of 194 Rings 1944 Rerun of 197 Rings 1944 Rerun of 1981 Rings 1944 Rerun of 1981 TOTALS— Middlings First Separatio Linclead First Separatio	1NED /1 2.75 3.00 3.17.00 3.7.50 3.3.50 2.43.00 2.16.50 2.05.76 2.10C- 2.05.00 2.05.50	FON F 54.05 55.05 56.60 57.15 53.95 57.15 56.80 54.70 56.49 LEAD	PRODU 3.91 3.57 2.26 2.05 5.04 1.53 1.70 3.89 2.21 PRODU 31.06 33.83	4.12 4.02 3.44 2.70 2.97 2.34 2.14 2.90 2.75 UCT 5 18.83	/·486 4.954 9.622 4.286 /·888 24.574 9.372 3.555 59.737 — 2.460 /o.846	0·32/ 0·382 0·154 0·176 0·658 0·280 0·253 2·332	0 362 0 583 0 202 0 104 1 006 0 353 0 188 2 9 13	65.0	3.7	8-6
35% OR OR 49%	& By WEI	GHT of ORE. REPRE			— COMB. Rings 19142 Rerun of 194 Rings 19142 Rerun of 194 Rings 19142 Rerun of 194 Rings 19143 Rerun of 194 Rings 1934 Rerun of 196 Rings 1934 Rerun of 196 Rings 1934 Rerun of 196 Rings 194 Rings 194 Rerun of 196 TOTALS Middlings First Separation Middings First Separation	1NED / 1 2.75 2 3.00 3 17.00 3 7.50 3 3.50 2 16.50 105.75 2 20.50 2 20.50 2 20.50	FON F 54.05 55.05 56.60 57.15 53.95 57.15 56.80 54.70 56.49 LEAD 12.00 16.60	PRODU 3.91 3.57 2.26 2.05 5.04 1.53 1.70 3.89 2.21 PRODU 31.06 33.83 34.45	4.12 4.02 3.44 2.70 2.97 2.34 2.14 2.90 2.75	/·486 4.954 9.622 4.286 /·888 24.574 9.372 3.555 59.737	0·32/ 0·382 0·154 0·176 0·658 0·280 0·253 2·332	0 362 0 583 0 202 0 104 1 006 0 353 0 188 2 9 13 4 377 17 606 2 360	65:0	3.7	8.6
35% OR 21NC PR 49%	RODUCTS LAW WEIGH	GHT of ORE. REPRE			— COMB. Rings 19142 Rerun of 194 Rings 19142 Rerun of 194 Rings 19142 Rerun of 194 Rings 1943 Rerun of 194 Rings 1944 Rerun of 197 Rings 1944 Rerun of 1981 Rings 1944 Rerun of 1981 TOTALS— Middlings First Separatio Linclead First Separatio	1NED / 1 2.75 9.00 3 17.00 3 7.50 3 3.50 0 2 16.50 105.75 12 1NC - 10 20.50 10 93.50 14.00 15 15 15 15 15 15 15 15 15 15 15 15 15	FON F 54.05 55.05 56.60 57.15 53.95 54.70 56.49 LEAD 12.00 16.60 23.85	PRODU 3.91 3.57 2.26 2.05 5.04 1.53 1.70 3.89 2.21 PRODU 31.06 33.83 34.45	4-12 4-02 3-44 2-70 2-34 2-14 2-90 2-75 UCT 5 18-83 11-51	/·486 4.954 9.622 4.286 /·888 24.574 9.372 3.555 59.737 — 2.460 /0.846 3.403	0·32/ 0·382 0·154 0·176 0·658 0·280 0·253 2·332 6·367 3/·63/	0 362 0 583 0 202 0 104 1 006 0 353 0 188 2 9 13 4 377 17 606 2 360	65:0	3.7	8-0
35% OR 21NC PR 49%	RODUCTS LAW WEIGH	GHT of ORE. REPRE			— COMB. Rings 19142 Rerun of 1914 Rings 19142 Rerun of 1914 Rings 19142 Rerun of 1914 Rings 19143 Rerun of 1914 Rings 19142 Rerun of 1914 Rings 1914 Rerun of 1914 TOTALS — GOMBINED Middlings First Separation Midding First Separation Midding First Separation Midding Lead Rerun of 1914 Midding Lead Rerun of 1914	1NED / 1 2.75 9.00 3 17.00 3 7.50 3 3.50 0 2 16.50 105.75 12 1NC - 10 20.50 10 93.50 14.00 15 15 15 15 15 15 15 15 15 15 15 15 15	FON F 54.05 55.05 56.60 57.15 56.80 54.70 56.49 LEAD 12.00 16.60 23.85 26.05	PRODU 3.91 3.57 2.26 2.05 5.04 1.53 1.70 3.89 2.21 PRODU 31.06 33.83 34.45 25.60 23.19	4-12 4-02 3-44 2-70 2-97 2-34 2-14 2-90 2-75 ICT5 21-35 18-83 11-51 16-44	/·486 4.954 9.622 4.286 /·888 24.574 9.372 3.555 59.737 ———————————————————————————————————	0·32/ 0·382 0·154 0·176 0·658 0·280 0·253 2·332 6·367 3/·63/ 7·062	0 362 0 583 0 202 0 104 1 006 0 353 0 188 2 9 13 4 377 17 606 2 360 1 658 1 394	65:0	3.7	
35% OR OR 49%	RODUCTS LAW WEIGH	GHT of ORE. REPRE			— COMB. Rings 19142 Rerun of 194 Rings 1944 Rerun of 196 Rings 195 Rings 195 Rollings First Separation Middlings First Separation Middlings First Separation Middling 196 Rings 196 Rerun of 196 Rinds 196 Rings 196 Ri	NED /1 2.75 3.00 3.17.00 3.7.50 3.3.50 2.16.50	FON F 54.05 55.05 56.60 57.15 53.95 56.80 54.70 56.49 LEAD 12.00 11.60 23.85 26.05 13.56	PRODU 3.91 3.57 2.26 2.05 5.04 1.53 1.70 3.89 2.21 PRODU 31.06 33.83 34.45 25.60 23.19	4-12 4-02 3-44 2-70 2-97 2-34 2-14 2-90 2-75 ICT5 21-35 18-83 11-51 16-44 15-49	7.486 4.954 9.622 4.286 7.888 24.574 9.372 3.555 59.737 ———————————————————————————————————	0.32/ 0.382 0.154 0.176 0.658 0.280 0.253 2.332 6.367 3/.63/ 7.062 2.087	0 362 0 583 0 202 0 104 1 006 0 353 0 188 2 9 13 4 377 17 606 2 360	65.0		
35% OR OR 49% OR	RODUCTS by WEIGINAL	GHT of ORE. REPRE GHT of	SENT		— COMB. Rings 19142 Rerun of 194 Rings 1944 Rerun of 198 Rindlings First Separation Rindlings First	1NED / 1 2.75 2. 9.00 3. 17.00 3. 17.00 3. 3.50 2. 16.50 2. 16.50 2. 16.50 2. 16.50 2. 16.50 2. 16.50 2. 16.50 2. 16.50 2. 16.50 2. 16.50 2. 16.50 2. 16.50 2. 16.50 2. 16.50 2. 16.50 2. 16.50 2. 17.50 2. 17.50 2. 17.50 2. 17.50 2. 17.50 2. 17.50 2. 17.50 2. 17.50	FON F 54.05 55.05 56.60 57.15 53.95 56.80 54.70 56.49 LEAD 12.00 16.60 23.85 26.05 13.56	PRODUCT 3.91 3.57 2.26 2.05 5.04 1.53 1.70 3.89 2.21 PRODU 31.06 33.83 34.45 25.60 23.19 32.66	4-12 4-02 3-44 2-70 2-97 2-34 2-14 2-90 2-75 ICT5 21-35 18-83 11-51 16-44 15-49	7.486 4.954 9.622 4.286 7.888 24.574 9.372 3.555 59.737 — 2.460 70.846 3.403 0.954 2.344 20.007	0.32/ 0.382 0.154 0.176 0.658 0.280 0.253 2.332 6.367 3/.63/ 7.062 2.087	0 362 0 583 0 202 0 104 1 006 0 353 0 188 2 9 13 4 377 17 606 2 360 0 658 1 394 26 393	65:0		72.:
35% OR OR 49% OR	RODUCTS LAW WEIGH	GHT of ORE. REPRE GHT of	SENT		— COMB. Rings 19142 Rerun of 194 Rings 1944 Rerun of 196 Rings 195 Rings 195 Rollings First Separation Middlings First Separation Middlings First Separation Middling 196 Rings 196 Rerun of 196 Rinds 196 Rings 196 Ri	1NED / 1 2.75 2 9.00 3 17.00 3 7.50 3 3.50 2 16.50 2 16.50 2 16.50 2 16.50 2 16.50 2 16.50 2 16.50 2 16.50 2 16.50 2 16.50 2 16.50 2 17.50 2 17.50 2 17.00	FON F 54.05 55.05 56.60 57.15 53.95 56.80 54.70 56.49 LEAD 12.00 11.60 23.85 26.05 13.56	PRODUCT 3.91 3.57 2.26 2.05 5.04 1.53 1.70 3.89 2.21 PRODU 31.06 33.83 34.45 25.60 23.19	4-12 4-02 3-44 2-70 2-34 2-14 2-90 2-75 1CT 5 21-35 18-83 11-51 16-44 17-89	7.486 4.954 9.622 4.286 7.888 24.574 9.372 3.555 59.737 — 2.460 70.846 3.403 0.954 2.344 20.007	0·32/ 0·382 0·154 0·176 0·658 0·280 0·253 2·332 6·367 3/63/ 7·062 2·087 48·17/	0 362 0 583 0 202 0 104 1 003 0 353 0 188 2 9 13 4 377 17 606 2 360 0 658 1 394 26 393	65:0	75.8	72.3
35% OR OR 49% OR	RODUCTS by WEIGINAL	GHT of ORE. REPRE GHT of	SENT		— COMB. Rings 1914 2 Rerun of 194 Rings 1924 2 Rerun of 1924 TOTALS————————————————————————————————————	NED /1 2.75 3.00 3.17.00 3.17.00 3.3.50 4.43.00 2.16.50 2.16.50 2.105.78 2.1NC- 101.20.50 102.93.50 147.50 50.1/1/65	FON F 54.05 55.05 56.60 57.15 53.95 56.80 54.70 56.49 LEAD 12.00 16.60 23.85 26.05 13.56 PR 45.35	PRODUCT 3.91 3.97 2.26 2.05 5.04 1.53 1.70 3.89 2.21 PRODUCT	4.12 4.02 3.44 2.70 2.34 2.14 2.90 2.75 21.35 18.83 11.51 16.44 17.89 4.66	7.486 4.954 9.622 4.286 7.888 24.574 9.372 3.555 59.737 2.460 70.846 3.403 0.954 2.344 20.007	0.32/ 0.382 0.154 0.176 0.658 0.280 0.253 2.332 6.367 3/.63/ 7.062 1.024 2.087 48.17/	0 362 0 583 0 202 0 104 1 006 0 353 0 188 2 9 13 4 377 17 606 2 360 0 658 1 394 26 393	65:0	75.8	72.3
35% OR 21NC PR 49% OR	RODUCTS Aby WEIG	GHT of ORE. REPRESHT OF ORE.	OX.		— COMB. Rings 1914 2 Rerun of 194 Rings 1914 Rerun of 194 TOTALS — GOMBINED Middlings First Separation Ring 1944 Rerun 1944.	1NED / 1 2.75 2. 9.00 3. 17.00 3. 17.00 3. 3.50 2. 16.50 2. 16.50 2. 16.50 2. 16.50 2. 16.50 2. 16.50 2. 16.50 2. 16.50 2. 16.50 2. 16.50 2. 16.50 2. 16.50 2. 17.50 2. 17.50 2. 17.50 3. 17.50	FON F 54.05 55.05 56.60 57.15 53.95 56.80 54.70 56.49 LEAD 12.00 16.60 23.85 26.05 13.56 PR 45.35 LOSS	PRODUCT 3.91 3.91 3.97 2.26 2.05 5.04 1.53 1.70 3.89 2.21 PRODUCT 12.97 5.00 38.72	4.12 4.02 3.44 2.70 2.97 2.34 2.14 2.75 1CTS 21.35 18.83 11.51 16.44 17.89 4.66	7.486 4.954 9.622 4.286 7.888 24.574 9.372 3.555 59.737 2.460 70.846 3.403 0.954 2.344 20.007	0.32/ 0.382 0.154 0.176 0.658 0.280 0.253 2.332 6.367 3/.63/ 7.062 2.087 48.17/	0 362 0 583 0 202 0 104 1 006 0 353 0 188 2 9 13 4 377 17 606 0 658 1 394 26 393	65.0	75.8	72.3
ZINC PR 49% OR 44% SLIME 12%	RODUCTS Sy WEIG Sy WEIG Loss	REPRESHT APPR	OX.		— COMB. Rings 1914 2 Rerun of 194 Rings 1924 2 Rerun of 1924 TOTALS————————————————————————————————————	1NED / 1 2.75 2. 9.00 3. 17.00 3. 17.00 3. 3.50 2. 16.50 2. 16.50 2. 16.50 2. 16.50 2. 16.50 2. 16.50 2. 16.50 2. 16.50 2. 16.50 2. 16.50 2. 16.50 2. 16.50 2. 16.50 2. 16.50 2. 16.50 2. 16.50 2. 17.50 2. 17.50 3.50 3.50 3.50 3.50 3.50 3.50 3.50 3	FON F 54.05 55.05 56.60 57.15 53.95 56.80 54.70 56.49 LEAD 12.00 16.60 23.85 26.05 13.56 PR 45.35 LOSS 20.40 14.28	PRODUCT 3.91 3.91 3.97 2.26 2.05 5.04 1.53 1.70 3.89 2.21 PRODUCT 12.97 5.00 38.72 30.09	4.12 4.02 3.44 2.70 2.34 2.14 2.90 2.75 21.35 18.83 11.51 16.44 17.89 4.66	7.486 4.954 9.622 4.286 7.888 24.574 9.372 3.555 59.737 2.460 70.846 3.403 0.954 2.344 20.007	0.32/ 0.382 0.154 0.176 0.658 0.280 0.253 2.332 6.367 3/.63/ 7.062 1.024 2.087 48.17/	0 362 0 583 0 202 0 1096 1 0 353 0 188 2 9 13 4 377 17 606 2 360 0 658 1 394 26 393	5.2	75.8	72.3
ZINC PR 49% OR 4% SLIME 12%	RODUCTS Chy WEIG LOSS	REPRESHT APPR	OX.		— COMB. Rings 1914 2 Rerun of 194 Rings 1914 Rerun of 194 Rings 1914 Rerun of 194 TOTALS— Middlings First Separation Ring 1914 Rerun 1914 Slime Loss First Separation Slime Loss First Separation Slime Loss Rerun of 1914	NED // 2.75 2.9.00 3.17.00 3.750 3.3.50 2.16.50 2.16.50 2.16.50 2.16.50 2.16.50 2.16.50 2.16.50 2.16.50 2.16.50 2.16.50 2.16.50 2.16.50 2.16.50 2.16.50 2.16.50 2.16.50 2.16.50 2.10C- 2	FON F 54.05 55.05 56.60 57.15 53.95 54.70 56.49 LEAD 12.00 16.60 23.85 26.05 13.56 A3.35 LOSS 20.40 14.28 28.28	PRODUCT 3.91 3.91 3.97 2.26 2.05 5.04 1.53 1.70 3.89 2.21 PRODUCT 12.97 5.00 38.72 30.09	4.12 4.02 3.44 2.70 2.97 2.34 2.90 2.75 1CTS 21.35 18.83 11.51 16.44 17.89 4.66	7.486 4.954 9.622 4.286 7.888 24.574 9.375 59.737	0.32/ 0.382 0.154 0.176 0.658 0.280 0.253 2.332 6.367 3/.63/ 7.062 2.087 48.17/	0 362 0 583 0 202 0 104 1 006 0 353 0 188 2 9 13 4 377 17 606 2 360 0 658 1 394 26 393 0 513 0 362 0 362	5.2	75.8	72-3