

Annual Statistical Review

of the

Lead Industries Association, Inc.

1963

INDEX

	PAGE NO.
Pig Lead Sales Report - Form A	2
Pig Lead - Unfilled orders - Form AA	3
Pig Lead - Special Report	3
Pig Lead - Manufacturers' Stock - Form B & C-4 ...	4
Lead Pigments - Form B	5, 6
Domestic Metallic Lead Products-Shipments-Form M-	7-10
Estimated Domestic Lead Consumption - Form D ...	11-24
Imports of Lead Products for Consumption	25, 26

Lead Industries Association, Inc.

292 Madison Avenue

New York, N. Y. 10017

DOMESTIC SALES OF PIG LEAD
BY PRIMARY REFINERS AND IMPORTERS
 (IN SHORT TONS)

GRADES REPORTED SOLD DURING MONTH INDICATED

	CORRODING		COMMON		CHEMICAL		ANTIMONIAL		TOTAL		DAILY AVERAGE	
	1962	1963	1962	1963	1962	1963	1962	1963	1962	1963	1962	1963
JANUARY.....	37,420	36,009	12,349	8,281	1,088	1,012	2,544	1,747	53,341	50,045	1,731	1,614
FEBRUARY.....	32,210	32,427	9,756	4,942	795	561	1,014	1,755	44,277	38,629	1,501	1,307
MARCH.....	38,041	41,590	15,704	4,970	875	1,356	2,050	2,962	57,770	50,876	1,864	1,641
APRIL.....	27,334	30,067	14,982	9,763	760	824	2,401	4,174	48,497	48,827	1,517	1,627
MAY.....	29,061	36,505	16,547	6,731	1,002	2,549	4,722	4,604	58,133	52,471	1,875	1,692
JUNE.....	40,214	46,013	9,785	12,213	875	1,001	3,794	4,303	53,416	63,530	1,767	1,992
JULY.....	30,442	44,267	9,278	11,770	896	3,216	3,241	6,333	41,020	69,901	1,323	2,116
AUGUST.....	32,443	43,070	4,735	5,020	1,575	2,066	3,618	3,789	44,561	53,954	1,436	2,205
SEPTEMBER.....	35,230	42,579	6,046	6,904	1,125	2,018	5,039	4,740	50,348	54,741	1,618	1,740
OCTOBER.....	44,936	41,432	5,071	4,517	1,530	2,928	3,736	4,281	56,175	55,196	1,877	1,770
NOVEMBER.....	47,070	42,905	10,847	9,040	2,093	1,606	5,063	5,042	67,501	59,190	2,250	1,973
DECEMBER.....	50,632	46,048	7,700	9,647	1,963	3,501	6,404	4,601	64,708	64,908	2,152	2,081
TOTAL	456,150	500,608	123,208	82,332	14,440	22,764	47,150	48,211	640,849	643,217		
AVERAGE	38,013	41,701	10,267	7,094	1,204	1,896	3,929	4,018	53,416	55,268	1,794	1,817

GRADES SOLD TO DATE FOR SHIPMENT IN MONTH INDICATED

	CORRODING		COMMON		CHEMICAL		ANTIMONIAL		TOTAL		DAILY AVERAGE	
	1962	1963	1962	1963	1962	1963	1962	1963	1962	1963	1962	1963
JANUARY.....	31,173	47,027	14,057	10,718	1,071	1,095	2,907	2,660	51,163	62,500	1,650	2,016
FEBRUARY.....	30,237	39,954	10,174	5,056	519	790	2,707	2,359	42,136	48,737	1,362	1,701
MARCH.....	34,695	37,770	11,041	5,274	840	751	2,401	2,171	48,448	48,648	1,576	1,600
APRIL.....	25,970	34,001	15,024	5,009	770	1,423	2,401	2,359	44,148	48,648	1,400	1,600
MAY.....	33,770	37,300	17,450	6,203	901	2,429	2,927	4,501	54,000	50,000	1,701	1,629
JUNE.....	32,007	44,070	11,641	10,701	781	1,509	3,794	4,004	50,112	63,534	1,670	1,990
JULY.....	32,607	40,564	7,046	11,077	913	2,002	3,318	7,049	43,564	61,842	1,312	1,909
AUGUST.....	35,002	41,115	7,013	6,044	1,295	2,440	4,454	1,459	47,752	53,940	1,500	1,730
SEPTEMBER.....	41,699	39,800	7,070	4,801	970	944	6,001	3,639	54,700	48,004	1,604	1,633
OCTOBER.....	46,143	44,142	7,130	4,425	1,370	2,582	4,275	1,140	52,028	57,436	1,701	1,675
NOVEMBER.....	42,951	45,232	7,347	6,212	2,645	2,324	4,625	4,641	57,426	58,229	1,817	1,640
DECEMBER.....	44,087	45,795	7,941	8,605	1,604	2,293	6,735	6,425	62,751	61,096	2,050	1,971
TOTAL	447,679	596,118	124,542	80,975	13,762	19,671	44,640	44,942	631,903	652,016		
AVERAGE	37,307	41,341	10,378	7,074	1,147	1,644	3,021	3,073	52,644	54,332	1,731	1,700

SALES SHOWN ABOVE ARE THOSE REPORTED FOR SHIPMENT TO THE MONTH INDICATED REGARDLESS OF MONTH OF SALE.

AVERAGE DAILY SALES ARE BASED ON THE ACTUAL NUMBER OF DAYS IN THE MONTH.

INCLUDES SALES OF PIG LEAD MADE BY REPORTING COMPANIES TO DOMESTIC CONSUMERS WHETHER CONSUMERS' CHARGES INSIDE OR OUTSIDE THE U.S.

COMMON LEAD SALES INCLUDE SALES OF ACID OR COPPER LEAD.

Companies contributing data to this report are:

American Metal Works, Inc.
 American Smelting & Refining Co.
 American Sales Co.
 The Hunter Hill Co.
 Ferro Sales Corp.

International Selling Corp.
 M. Joseph Lead Co.
 C. Thomas, Ross & Co., of New York
 United States Smelting Refining
 & Mining Co.

PIG LEAD UNFILLED ORDERS

(IN SHORT TONS)

Unfilled orders consist only of lead held for customer's account at smelter, refinery and warehouse, which has been sold and invoiced or paid for, but not shipped during the month specified in the sales contracts. It is essentially lead owned by customers and held or stored at smelter, refinery or warehouse as of the last day of the month.

	1962	1963
January 31	2,205	1,767
February 28	2,885	900
March 31	1,215	1,089
April 30	1,055	789
May 31	890	490
June 30	690	746
July 31	690	3,922
August 31	676	2,972
September 30	670	2,816
October 31	820	1,599
November 30	620	1,062
December 31	1,218	734

L.I.A.
Form AA

PIG LEAD SHIPMENTS*

(IN SHORT TONS)

	1962	1963
January	60,349	63,223
February	70,863	59,161
March	58,113	54,263
April	61,158	49,413
May	65,240	56,900
June	52,390	56,871
July	44,872	57,147
August	52,313	57,347
September	57,017	53,268
October	59,618	60,846
November	54,962	65,440
December	63,890	61,123
TOTAL	702,583	694,998
AVERAGE	58,549	57,917

*Actual physical shipments of lead from plants, warehouse or steamer to domestic purchasers regardless of origin including bonded and drawback lead and including any shipments of pig lead previously stored for customer's account at plant or warehouse.

L.I.A.
Special Report

Companies contributing data to Form AA and Special Report above are the same as those contributing to the Pig Lead Sales Report listed on Page 2

**PIG LEAD
MANUFACTURERS' STOCK REPORT
1963**

(IN SHORT TONS)

The following are the stocks of Pig Lead in the hands of manufacturers at the beginning of the months indicated. To avoid duplication in the case of companies manufacturing both Pigments and Metallic Lead Products, stocks of Pig Lead in the two departments have been reported by the members separately.

		PIGMENT MANUFACTURERS	METALLIC LEAD PRODUCTS MANUFACTURERS	OTHER MANUFACTURERS	TOTAL
January 1, 1963	.....	8 360	20 147	24 129	52 636
February 1, 1963	.....	9 742	20 500	25 375	55 706
March 1, 1963	.....	9 600	21 043	26 002	56 645
April 1, 1963	.....	10 724	19 916	24 009	54 650
May 1, 1963	.....	10 532	19 364	25 043	54 940
June 1, 1963	.....	10 042	17 005	24 915	51 962
July 1, 1963	.....	9 612	18 441	25 475	53 528
August 1, 1963	.....	14 300	17 704	23 100	55 104
September 1, 1963	.....	13 231	17 747	27 306	58 284
October 1, 1963	.....	12 762	18 075	26 017	56 854
November 1, 1963	.....	8 673	19 270	29 574	57 517
December 1, 1963	.....	7 660	19 767	29 114	56 541
January 1, 1964	.....	11 911	20 702	32 477	64 090

Companies contributing data to this report are:

PIGMENT MANUFACTURERS

Baker Mill Co., Chemical
Products Div.
Eagle-Picher Co.
E. F. Piller & Co.
Pascand Lead Products, Inc.
John B. MacGregor Lead Co.
National Lead Co.
Western Lead Products Co.

METALLIC LEAD PRODUCTS MEMS

American Brake Shoe Co.
National Bearing Div.
American Smelting & Ref. Co.
Inc., Federated Metals Div.
G. A. Merrill Co., Lead Products
Division
Barlow Metals Corp.
Bris & Co., Inc.
Baker Mill Co., Sales &
Distribution Div.

METALLIC LEAD PRODUCTS MEMS
(Cont'd.)

A. O. Carlson Mfg. Co.
Federal-Mogul-Rover
Bearings, Inc.
Reville Metals Corp.
Inverval Tube Metal Co.
Johnson Brimco Co.
Sinter Smelter Co.
Lead Products Co., Inc.
Metalind Products Corp.
Villanova Lead Works, Inc.
Hessner Smelting & Ref. Co., Inc.
National Lead Co.
New England Metals, Inc.
E. J. Pratt & Co., Inc.
Barrow Copper & Brass Inc.,
Pittsfield
River Metal & Ref. Co.
Dymek Turner & Sons

OTHER MANUFACTURERS

Anacosta Wire & Cable Co.
Brico-Way Div., General Motors
Corp.
E. J. DuPont de Nemours & Co., Inc.
Electric Artelle Co.
Electric Storage Battery Co.
Ethyl Corp.
General Cable Corp.
General Electric Co.
Gould-National Batteries, Inc.
Granite Co.
The J. B. Tracy Co.
Pittsfield Chemical Corp.
Pittsfield Copper Products Corp.
Birmingham Iron Co., Inc.
John A. Brinkley's Sons Div.
Colorado Fuel & Iron Corp.
Western Electric Co., Inc.

¹ Not included from April 1, 1963

² Included from January 1, 1960

Lead Pigments
Domestic Shipments, Production and Stocks
1963

Companies contributing data to these reports are:

Baker Mill Co., Chemical Products Div.
Eagle-Picher Co.
G. P. Fuller & Co.
Hanson Lead Products, Inc.
John B. MacGregor Lead Co.
National Lead Co.
Western Lead Products Co.

¹ Not included from April 1, 1963

LEAD PIGMENTS
DOMESTIC SHIPMENTS, PRODUCTION AND STOCKS
 (IN SHORT TONS)

SHIPMENTS

1963	WHITE LEAD, DRY		WHITE LEAD IN OIL		LITHARGE		RED LEAD AND ORANGE MINERAL	
	AMOUNT	LEAD CONTENT	AMOUNT	LEAD CONTENT	AMOUNT	LEAD CONTENT	AMOUNT	LEAD CONTENT
JANUARY	912	942	121	84	11 430	10 425	2 233	2 517
FEBRUARY	990	942	113	81	9 600	8 607	1 644	1 682
MARCH	836	950	100	134	8 761	8 177	1 644	1 700
APRIL	961	760	240	176	8 340	7 093	1 973	1 770
MAY	1 308	1 042	196	160	9 170	8 434	2 304	2 136
JUNE	1 132	906	236	160	9 765	8 117	2 072	1 671
JULY	1 045	836	229	163	9 914	8 730	2 114	1 903
AUGUST	1 132	906	196	130	9 571	8 600	2 193	1 907
SEPTEMBER	1 064	951	170	127	9 521	8 620	2 244	2 056
OCTOBER	900	721	170	127	11 990	11 131	2 614	2 346
NOVEMBER	690	300	113	80	10 524	9 760	2 033	1 842
DECEMBER	660	390	140	105	10 190	9 250	1 875	1 690
TOTAL	10 913	8 710	2 144	1 524	116 742	100 194	25 307	22 822
AVERAGE	909	720	179	127	9 720	8 016	2 100	1 900

PRODUCTION

JANUARY	960	154	82	38	10 820	10 075	2 104	1 867
FEBRUARY	901	124	80	30	10 117	9 367	1 890	1 687
MARCH	995	901	236	167	9 870	8 234	2 080	1 890
APRIL	810	643	295	181	9 343	7 750	2 070	1 870
MAY	1 306	1 081	210	190	9 270	8 957	2 341	2 065
JUNE	962	760	200	200	9 370	8 644	2 274	2 070
JULY	972	770	300	217	7 720	7 132	1 745	1 600
AUGUST	1 015	1 120	223	190	9 010	8 105	2 100	1 841
SEPTEMBER	1 020	954	170	127	9 410	8 620	2 100	1 900
OCTOBER	1 081	810	127	90	11 045	10 070	2 611	2 303
NOVEMBER	696	570	105	72	10 990	9 600	2 243	1 870
DECEMBER	323	300	124	100	10 740	9 540	1 870	1 670
TOTAL	11 100	9 930	2 100	1 500	116 800	107 012	25 647	22 100
AVERAGE	925	745	182	133	9 700	8 900	2 134	1 905

STOCKS

JANUARY 1, 1963	2 793	1 000	434	311	7 767	7 042	3 003	2 790
FEBRUARY 1	2 791	1 017	370	263	7 093	6 611	2 957	2 642
MARCH 1	2 000	1 004	350	232	7 622	6 901	2 170	2 030
APRIL 1	2 563	2 082	430	313	7 606	6 951	2 260	2 083
MAY 1	2 410	1 604	441	315	7 570	6 840	2 320	2 001
JUNE 1	2 780	1 803	464	331	7 716	6 980	2 196	2 072
JULY 1	2 700	1 743	510	340	8 322	7 510	2 390	2 000
AUGUST 1	2 177	1 503	502	423	7 114	6 615	2 080	2 125
SEPTEMBER 1	2 360	1 862	620	442	7 837	7 062	2 900	2 603
OCTOBER 1	2 325	1 847	510	442	7 800	7 000	2 917	2 600
NOVEMBER 1	2 400	1 932	577	513	8 942	8 174	2 900	2 570
DECEMBER 1	2 646	2 105	507	404	7 940	6 345	3 100	2 790
JANUARY 1, 1964	2 671	1 947	543	300	7 107	6 047	2 300	2 090

IN PROCESS

WHITE LEAD				LEAD CHARGE			
JANUARY 1, 1963	504	JUNE 1	510	JANUARY 1, 1963	2 233	JUNE 1	2 730
FEBRUARY 1	1 015	AUGUST 1	910	FEBRUARY 1	2 232	AUGUST 1	2 677
MARCH 1	1 000	SEPTEMBER 1	1 014	MARCH 1	2 000	SEPTEMBER 1	2 000
APRIL 1	960	OCTOBER 1	800	APRIL 1	2 440	OCTOBER 1	2 210
MAY 1	1 017	NOVEMBER 1	610	MAY 1	2 042	NOVEMBER 1	2 100
JUNE 1	1 032	DECEMBER 1	631	JUNE 1	2 390	DECEMBER 1	2 541
JANUARY 1, 1964	1 074	JANUARY 1, 1964	1 074	JANUARY 1, 1964	2 611	JANUARY 1, 1964	2 611

1 - INCLUDES RED LEAD IN OIL ON STOCKS

2 - ALSO CONTENT

3 - APPROXIMATE

DOMESTIC METALLIC LEAD PRODUCTS

Shipments

1963

Companies contributing data to these reports are:

[Numbers after company name indicate products reported by each company, i.e., 1-solder, 2-bearing metals, 3-automotive lead products, 4-type metal and impression lead, 5-pipe and extruded products (including traps and bends), 6-rolled products, 7-nickeliferous lead products (including calking lead).]

American Brass Shear Co., National Bearing Div. - 2
 American Metal Clings, Inc. - 2
 American Smelting & Refining Co., including
 Federated Metals Div. - 1, 2, 3, 4, 5, 6, 7
 G. A. Arill Co., Lead Products Div. - 1, 2, 3, 7
 Braslow Metals Corp. - 2
 Burns & Co., Inc. - 1, 2, 7
 Dunbar Mill Co. - 7
 Dunbar Mill Co., Sales & Publication Div. -
 1, 2, 3, 4, 5, 6, 7
 A. V. Chicago Manufacturing Co. - 2
 Federal-Steel-Door Bearings, Inc. - 2
 Flinn Lead Co., Inc. - 1, 2, 4, 7
 Gardiner Metal Co. - 1, 2, 3, 4, 5, 7

Revelt Metals Corp. - 1, 2, 4, 6, 7
 Imperial Type Metal Co. - 6
 Johnson Bronze Co. - 2
 Lead Products Co., Inc. - 1, 2, 5, 7
 Metalrod Products Corp. - 7
 Mitsubishi Lead Works, Inc. - 5, 6, 7
 Niagara Smelting & Refining Co. - 1, 2, 3, 5, 7
 National Lead Co. - 1, 2, 3, 4, 5, 6, 7
 New England Smelting Works, Inc. - 1, 2, 3, 4, 7
 S. L. Post & Co., Inc. - 2
 Severn Copper & Brass Inc., Roll Div. - 6
 Silver Smelting & Refining Co. - 1, 2, 3, 4, 7
 Wynn's Vanner & Sons - 1, 2, 3, 4, 7

NOTE: Adjustments have been made in these reports to eliminate duplication resulting from shipments between reporting companies.

METALLIC LEAD PRODUCTS

Domestic Shipments

(IN SHORT TONS)

SOLDER

1963	AUTOMOBILE RADIATORS, ETC.		CAN MANUFACTURERS AND CANNING		COATINGS		OTHER		TOTAL	
	AMOUNT	LEAD CONTENT	AMOUNT	LEAD CONTENT	AMOUNT	LEAD CONTENT	AMOUNT	LEAD CONTENT	AMOUNT	LEAD CONTENT
JANUARY.....	1,362	1,090	370	332	120	82	4,324	3,000	6,084	4,502
FEBRUARY.....	1,300	1,070	226	181	110	80	2,645	2,030	5,100	3,000
MARCH.....	1,133	932	531	401	91	71	4,111	2,943	5,066	4,337
APRIL.....	1,173	966	432	301	140	110	4,360	3,052	6,122	4,524
MAY.....	1,200	1,065	360	317	143	127	4,708	3,701	6,521	4,000
JUNE.....	1,104	906	506	464	105	80	3,004	2,701	5,709	4,201
JULY.....	1,004	800	360	319	100	143	3,700	2,641	5,607	4,193
AUGUST.....	1,003	807	636	500	100	84	3,701	2,647	5,607	4,273
SEPTEMBER.....	1,230	1,019	525	474	170	130	4,063	2,847	6,006	4,470
OCTOBER.....	1,375	1,166	440	400	144	116	4,517	3,160	6,402	4,811
NOVEMBER.....	1,334	1,105	274	232	120	97	4,250	2,977	5,902	4,411
DECEMBER.....	1,104	874	300	250	115	83	4,120	2,900	5,797	4,376
TOTAL.....	16,520	12,084	5,271	4,765	1,008	1,267	40,655	34,710	71,000	62,750
AVERAGE.....	1,212	1,009	470	397	133	104	4,130	2,903	5,022	4,390

L.I.A. Form D-1

BEARING METALS

1963	LEAD AND TIN BASE				OTHER BEARING METALS		TOTAL	
	RAILROAD		OTHER		AMOUNT	LEAD CONTENT	AMOUNT	LEAD CONTENT
	AMOUNT	LEAD CONTENT	AMOUNT	LEAD CONTENT				
JANUARY.....	700	507	707	603	1,137	215	2,536	1,200
FEBRUARY.....	770	608	636	540	1,100	227	2,505	1,100
MARCH.....	600	564	561	505	1,102	210	2,471	1,167
APRIL.....	616	732	607	612	1,271	230	2,642	1,016
MAY.....	600	700	766	610	1,191	227	2,705	1,204
JUNE.....	697	706	706	604	1,331	232	3,009	1,062
JULY.....	614	601	612	570	1,100	200	2,610	1,202
AUGUST.....	707	630	762	606	1,112	201	2,641	1,206
SEPTEMBER.....	700	670	505	515	1,100	164	2,406	1,217
OCTOBER.....	670	611	754	643	1,125	100	2,409	1,000
NOVEMBER.....	600	750	630	610	1,105	200	2,712	1,175
DECEMBER.....	1,001	910	631	600	1,070	200	3,300	1,505
TOTAL.....	10,001	8,435	8,275	6,060	16,572	2,009	37,000	16,100
AVERAGE.....	841	703	689	522	1,210	211	2,700	1,342

L.I.A. Form D-1

METALLIC LEAD PRODUCTS DOMESTIC SHIPMENTS

(IN SHORT TONS)

ANTIMONIAL LEAD PRODUCTS

1963	STORAGE BATTERIES		OTHER		TOTAL	
	AMOUNT	LEAD CONTENT	AMOUNT	LEAD CONTENT	AMOUNT	LEAD CONTENT
JANUARY.....	11,008	10,972	3,300	3,225	15,104	14,197
FEBRUARY.....	12,187	11,308	3,710	3,810	15,875	14,818
MARCH.....	9,000	8,904	3,817	3,822	13,470	12,606
APRIL.....	9,300	9,007	4,262	4,007	13,800	12,904
MAY.....	10,730	9,885	4,000	3,770	14,733	13,644
JUNE.....	8,300	7,810	3,802	3,375	11,901	11,185
JULY.....	8,067	8,241	3,319	3,121	12,106	11,942
AUGUST.....	8,900	8,201	3,872	3,640	12,776	11,929
SEPTEMBER.....	9,807	9,162	3,764	3,540	13,901	12,600
OCTOBER.....	12,114	11,273	3,875	3,430	15,900	14,931
NOVEMBER.....	11,700	10,830	3,434	3,225	15,100	14,163
DECEMBER.....	12,687	12,521	3,130	2,940	14,623	14,007
TOTAL.....	127,200	110,245	44,170	41,000	171,430	150,830
AVERAGE.....	10,600	9,194	3,681	3,416	14,287	12,520

L.I.A. Form M-3

TYPE METAL AND IMPRESSION LEAD

1963	ELECTROTYPE METAL		OTHER TYPE METAL		IMPRESSION LEAD		TOTAL	
	AMOUNT	LEAD CONTENT	AMOUNT	LEAD CONTENT	AMOUNT	LEAD CONTENT	AMOUNT	LEAD CONTENT
JANUARY.....	195	181	1,600	1,600	7	7	2,005	1,988
FEBRUARY.....	197	184	1,504	1,229	5	5	1,796	1,417
MARCH.....	224	200	1,700	1,342	12	12	1,976	1,569
APRIL.....	221	200	1,601	1,427	0	0	2,001	1,627
MAY.....	217	200	1,607	1,400	5	5	2,129	1,605
JUNE.....	179	165	1,833	1,421	0	0	2,018	1,586
JULY.....	193	189	1,447	1,110	2	2	1,612	1,299
AUGUST.....	200	194	1,641	1,400	0	0	2,049	1,649
SEPTEMBER.....	173	161	1,400	1,250	0	0	1,616	1,414
OCTOBER.....	200	193	2,044	1,604	0	0	2,277	1,800
NOVEMBER.....	155	140	1,830	1,205	4	4	1,789	1,413
DECEMBER.....	160	152	1,640	1,300	7	7	1,844	1,459
TOTAL.....	2,730	2,182	21,081	16,795	30	30	23,871	18,937
AVERAGE.....	194	180	1,730	1,330	3	3	1,953	1,545

L.I.A. Form M-4

METALLIC LEAD PRODUCTS

Domestic Shipments

(IN SHORT TONS)

LEAD PIPE AND EXTRUDED PRODUCTS

1963	PIPE AND TUBING		TRAPS AND BENDS		OTHER		TOTAL	
	AMOUNT	LEAD CONTENT	AMOUNT	LEAD CONTENT	AMOUNT	LEAD CONTENT	AMOUNT	LEAD CONTENT
JANUARY.....	1,290	1,290	133	133	95	95	1,518	1,508
FEBRUARY.....	1,132	1,119	100	100	95	95	1,327	1,290
MARCH.....	1,171	1,162	101	101	45	45	1,317	1,308
APRIL.....	1,508	1,495	192	192	47	46	1,747	1,733
MAY.....	1,477	1,465	152	152	54	54	1,683	1,671
JUNE.....	1,353	1,342	146	146	49	49	1,548	1,537
JULY.....	1,344	1,334	166	166	17	17	1,527	1,519
AUGUST.....	1,306	1,297	155	155	65	65	1,526	1,520
SEPTEMBER.....	1,364	1,357	143	143	60	59	1,567	1,564
OCTOBER.....	1,505	1,494	167	167	76	76	1,748	1,737
NOVEMBER.....	1,373	1,360	66	66	52	52	1,491	1,479
DECEMBER.....	1,244	1,234	134	134	32	32	1,410	1,400
TOTAL.....	16,066	15,934	1,723	1,723	651	649	18,442	18,305
AVERAGE.....	1,339	1,329	144	144	54	54	1,537	1,526

L.I.A. Form M-8

ROLLED PRODUCTS

1963	SHEET AND STRIP		COLLAPSIBLE TUBE DISCS		TOTAL	
	AMOUNT	LEAD CONTENT	AMOUNT	LEAD CONTENT	AMOUNT	LEAD CONTENT
JANUARY.....	2,345	2,317	34	30	2,379	2,347
FEBRUARY.....	1,500	1,547	50	45	1,550	1,592
MARCH.....	1,873	1,883	25	23	1,898	1,906
APRIL.....	1,864	1,841	82	82	1,946	1,923
MAY.....	1,857	1,830	107	100	1,964	1,930
JUNE.....	2,191	2,175	119	97	2,310	2,272
JULY.....	1,897	1,834	100	90	1,997	1,924
AUGUST.....	2,054	2,026	81	67	2,135	2,093
SEPTEMBER.....	1,910	1,887	30	34	1,940	1,921
OCTOBER.....	1,960	1,944	90	95	2,050	2,039
NOVEMBER.....	1,950	1,930	50	52	1,999	1,982
DECEMBER.....	1,471	1,458	40	43	1,511	1,501
TOTAL.....	22,519	22,730	910	862	23,429	23,592
AVERAGE.....	1,877	1,893	79	67	1,946	1,960

L.I.A. Form M-8

MISCELLANEOUS LEAD PRODUCTS

1963	CASTING LEAD		OTHER		TOTAL	
	AMOUNT	LEAD CONTENT	AMOUNT	LEAD CONTENT	AMOUNT	LEAD CONTENT
JANUARY.....	9,954	9,954	2,064	2,064	12,018	12,018
FEBRUARY.....	9,951	9,951	2,335	2,335	12,286	12,286
MARCH.....	9,420	9,420	2,757	2,718	12,177	12,138
APRIL.....	9,905	9,905	2,095	2,090	11,999	11,995
MAY.....	9,962	9,962	2,100	2,100	12,062	12,062
JUNE.....	9,921	9,921	2,011	2,010	11,932	11,931
JULY.....	9,953	9,953	2,010	2,010	11,963	11,963
AUGUST.....	9,963	9,963	1,921	1,900	11,884	11,863
SEPTEMBER.....	9,970	9,970	2,003	2,000	11,973	11,970
OCTOBER.....	9,963	9,963	2,027	2,040	11,990	12,003
NOVEMBER.....	9,960	9,960	2,100	2,090	12,060	12,050
DECEMBER.....	9,960	9,960	2,017	2,011	11,977	11,971
TOTAL.....	97,969	97,969	22,154	22,047	120,123	120,016
AVERAGE.....	9,997	9,997	2,153	2,122	12,150	12,119

L.I.A. Form M-8

ESTIMATED DOMESTIC LEAD CONSUMPTION
(IN SHORT TONS)

A breakdown of each month's consumption figures for 1963, will be found on the following pages.

	<u>1962</u>	<u>1963</u>
January	89,130	89,570
February	76,025	82,070
March	79,890	81,030
April	78,930	78,510
May	84,990	88,440
June	83,395	87,020
July	71,985	78,565
August	86,900	83,430
September	81,745	86,785
October	93,780	94,935
November	91,045	88,510
December	<u>82,000</u>	<u>83,210</u>
 TOTAL	 896,925	 1,035,515
 MONTHLY AVERAGE	 83,077	 86,293

NOTE: We estimate that the 1962 figures are low by approximately 113,000 tons, and 1963 figures by 119,000 tons.

L. I. A.
Page 9

ESTIMATED DOMESTIC LEAD CONSUMPTION

YEAR 1963

Lead Content

(in short tons)

INDUSTRY	WHITE LEAD		MISC. LEAD COMPOUNDS	LITHARGE	RED LEAD	SOLDER	BEARING METAL	ANTIFRITIONAL LEAD PRODUCTS	PIPE AND EXTRUDED PRODUCTS	ROLLED PRODUCTS	CALAMINE LEAD	MISCELLANEOUS PRODUCTS	1963 TOTAL	1962 TOTAL
	DRY	in OIL												
STORAGE BATTERIES				60,196	0.875			127,085				122,666	288,100	286,870
CABLE												46,886	46,886	47,960
PAINT & VARNISH	8,006	1,823	4,140	3,968	11,489							30,706	30,706	27,860
AMMUNITION												30,875	30,875	30,715
OIL REF. & GASOLINE				2,115	30							162,565	164,720	166,320
CONSTRUCTION									17,640	22,234	71,740	10,140	121,866	114,020
INSECTICIDES				770								770	770	1,125
PRINTING												10,000	10,000	20,200
CERAMICS	66			17,100	525							17,700	17,700	18,300
COLORS				11,000	20							5,000	17,100	18,020
RAILROADS							8,400						8,400	8,820
AUTOMOBILES						13,950							13,950	11,700
CARS						10,300							10,300	6,420
STEEL & IRON												3,315	3,315	3,600
COLLAPSIBLE TUBES										2,515			2,515	3,140
SLUGS & HOPE				1,515	140							1,700	2,260	3,220
COATINGS						1,200							1,200	1,200
BRASS WFL												1,900	1,900	2,775
LEAD HEAD NAILS												1,025	1,025	800
WALLS												270	270	200
ABRASIVES												225	225	180
UNCLASSIFIED	2,810		4,990	3,775	1,795	37,700	8,000	21,340	600			104,005	106,670	142,875
1963 TOTAL	8,706	1,823	9,080	109,096	22,689	62,250	16,400	148,425	18,540	24,730	71,740	522,708	528,916	
1962 TOTAL	9,200	1,715	8,900	114,096	21,480	59,420	14,900	150,910	18,090	21,525	65,340	497,420		500,925

(a) INCLUDES BLACK OXIDE

(b) INCLUDES LEAD CONTENT OF LEADED ZINC OXIDE

(c) SHEET AND STRIP

(d) COMPARED TO U.S. BUREAU OF MINES FIGURES, THE 1962 TOTAL IS LOW BY APPROXIMATELY 112,000 TONS, DISTRIBUTED BETWEEN STORAGE BATTERIES 45,000 TONS BRASS MANUFACTURING 17,000 TONS, AMMUNITION 17,000 TONS, CABLE 8,000 TONS, THE BALANCE DISTRIBUTED AMONG OTHER USES.

(e) COMPARED TO U.S. BUREAU OF MINES FIGURES, THE 1963 TOTAL IS LOW BY APPROXIMATELY 118,000 TONS DISTRIBUTED BETWEEN STORAGE BATTERIES 40,000 TONS, BRASS MANUFACTURING 17,000 TONS, AMMUNITION 17,000 TONS, CABLE 8,000 TONS, THE BALANCE DISTRIBUTED AMONG OTHER USES.

ESTIMATED DOMESTIC LEAD CONSUMPTION

JANUARY, 1963

Lead Content

(in short tons)

INDUSTRY	BATTERY LEAD		MISC. LEAD COMPOUNDS	LITHIUM	RED LEAD	SOLDER	BRASSING METALS	AUTOMOBILE LEAD PRODUCTS	PIPE AND EXTRUDED PRODUCTS	ROLLED PRODUCTS	CASTING LEAD	DISCELLANEOUS PRODUCTS	TOTAL
	DRY	IN OIL											
STORAGE BATTERIES				0.950	000			12.000				10.150	20.100
CABLE												4.045	4.045
PAINT & VARNISH	470	00	1750	015	1.100							1.015	2.250
AMMUNITION				230	5							10.170	10.400
OIL DEF. & GASOLINE													
CONSTRUCTION				70					1.410	2.310	7.420	000	11.700
INSPECTION												500	500
PRINTING	5			1.300	00							200	1.300
CERAMICS				000									1.400
COLORED													1.300
ROLLERS													
AUTOMOBILES						1.000	005						1.005
COORS						470							470
STEEL & IRON												470	470
TELEPHONE PAPER				110	10					30			30
DRUMS & HOOD												220	240
TRAILERS						50							50
BRASS WFL												470	470
LEAD HEAD WFLS												00	00
WFLS												00	00
AMMUNITION	200		500	470	100	3.100	005	2.000	100			17.210	24.020
UNCLASSIFIED													
TOTAL	500	00	720	10.620	2.000	4.000	1.200	14.400	1,510	2,340	7,420	53.000	90.570

A - INCLUDES BLACK OXIDE

B - INCLUDES LEAD CONTENT OF LEADED ZINC OXIDE

C - SHEET AND STRIP

ESTIMATED DOMESTIC LEAD CONSUMPTION

FEBRUARY, 1963

Lead Content

(in short tons)

INDUSTRY	WHITE LEAD		PINK LEAD COMPOUNDS	LITHIUM LEAD	PINK LEAD	SILVER	BRASS METALS	ANTIMONY LEAD PRODUCTS	PIPE AND EXTRUDED PRODUCTS	ROLLED PRODUCTS	CALCINED LEAD	MISCELLANEOUS PRODUCTS	TOTAL
	DOT	IN OIL											
STORAGE BATTERIES				5,700	000			12,100				7,600	27,210
CABLE	300	00	27%	300	030							3,500	3,500
PAINT & VARNISH												1,025	1,025
AMMUNITION				300	0							10,200	10,200
OIL REF. & GASOLINE													
CONSTRUCTION				00					1,010	1,040	3,000	000	7,300
INDUSTRIES													
PRINTING				1,220	05							1,010	1,010
CERAMICS	0			030								030	1,010
GLASS													
BATTERIES													
ALUMINUM						1,000	030						030
STEEL & IRON						330							330
COLLAPSE TUBES												00	00
ALUMINUM & IRON				100	10					05		100	05
COATING													
BRASS METALS						05						00	05
LEAD WIRE WELD												120	120
STEEL												05	05
AMMUNITION													
UNCLASSIFIED	100		010	000	110	2,070	000	2,000	05			11,000	17,000
TOTAL	550	00	00%	0,000	1,030	0,120	1,210	15,020	1,010	1,040	3,000	42,070	62,070

A - TOTAL DOT BLACK OXIDE

B - INCLUDES LEAD CONTENT OF LEADED ZINC OXIDE

C - SHEET AND STRIP

ESTIMATED DOMESTIC LEAD CONSUMPTION

MARCH, 1963

Lead Content

(in short tons)

INDUSTRY	WHITE LEAD		MISC. LEAD COMPOUNDS	LITHIUM	RED LEAD	SOLDED	BEARING METALS	ANTICORROSIVE LEAD PRODUCTS	PIPE AND FITTINGS PRODUCTS	POLLED PRODUCTS	CALMING LEAD	MISCELLANEOUS PRODUCTS	TOTAL
	DOT	IN OIL											
STORAGE BATTERIES				5,100	575			11,030				8,950	26,575
CABLE												4,345	4,345
PAINT & VARNISH	450	135	2250	370	1,000							1,720	2,100
AMMUNITION												16,400	1,720
OIL REF. & GASOLINE				105	5								10,500
CONSTRUCTION									1,325	1,000	4,500	400	8,240
INSECTICIDES				50									50
PRINTING				1,120	55							1,500	1,500
CERAMICS	5			910								430	1,245
COLORED													
WILDOOSE						500	505						505
ANTICORROSIVE						500							500
COAL												235	235
STEEL & PIPE										25			25
COLLAPSEABLE TUBES				115	10							20	145
WELDED & MORE													
COATINGS						70							70
PAINTS W/												130	130
LEAD HEAD WAFER												25	25
STAIN													
ADHESIVES													
UNCLASSIFIED	100		375	600	125	2,005	505	2,400	45			7,095	15,110
TOTAL	950	135	600	9,285	1,770	4,915	1,170	16,410	1,370	1,000	4,500	42,075	81,050

a. INCLUDES BLACK OXIDE

b. INCLUDES LEAD CONTENT OF LEADED ZINC OXIDE

c. SHEET AND STRIP

ESTIMATED DOMESTIC LEAD CONSUMPTION

APRIL, 1963

Lead Content

(in short tons)

INDUSTRY	WHITE LEAD		WISC. LEAD COMPOUNDS	LITHARGE	Pb LEAD	SOLDER	BEARING METALS	ANTIFRICAL LEAD PRODUCTS	PIPE AND FITTINGS PRODUCTS	ROLLED PRODUCTS	CALCINED LEAD	MISCELLANEOUS PRODUCTS	TOTAL
	DOT	IN OIL											
STORAGE BATTERIES				4,000	700			10,630				0.025*	25,000
CABLE												2.770	2,770
PAINT & VARNISH	500	170	2200	220	070							2.040	2,130
AMMUNITION				100								14.010	14,010
OIL REF. & GASOLINE													
CONSTRUCTION									1,000	1,000	6,200	300	10,100
INSECTICIDES				100									100
POWTERS				1,200	20							1,400	1,400
CERAMICS				700	10							600	1,200
COLORED													
BATTERIES						1,000	700						1,700
AUTOMOBILES													
CARS													
STEEL & IRON												170	170
COLLAPSIABLE TUBES				110	10					00		00	00
W. BARS & RODS												00	00
COATINGS						110							110
BRASS WFA												00	00
LEAD HEAD BALLE												140	140
PEAKS													
ADHESIVES													
UNCLASSIFIED	220		010	010	120	3,200	600	3,140	00			4,000	17,000
TOTAL	700	170	700	7,700	1,770	5,100	1,410	13,770	1,700	1,000	6,200	37,120	70,010

A - INCLUDES BLEND OXIDE

B - INCLUDES LEAD CONTENT OF LEADED ZINC OXIDE

C - SHEET AND STRIP

ESTIMATED DOMESTIC LEAD CONSUMPTION

MAY, 1963

Lead Content

(in short tons)

INDUSTRY	WHITE LEAD		MISC. LEAD COMPOUNDS	LETHARGE	RED LEAD	SOLDER	BRASSING METALS	ANTIFORMAL LEAD PRODUCTS	PIPE AND EXTRUDED PRODUCTS	ROLLED PRODUCTS	CALCINED LEAD	MISCELLANEOUS PRODUCTS	TOTAL
	DOT	IN OIL											
STORAGE BATTERIES				5,750	800			11,500				11,500	28,110
CABLE												3,920	3,920
PAINT & VARNISH	720	140	4200	200	1,000							1,000	3,000
AMMUNITION												10,000	10,000
OIL DOT & GASOLINE				100	5								10,100
CONSTRUCTION									1,015	1,000	0.075	330	9,000
INDUSTRIAL				150									150
PRINTING				1,300	35							1,000	1,000
COINAGE	5			870	10							570	1,425
COLORED													1,450
RAILROADS						1,100	710						1,810
Automobiles						810							810
CRANE												300	300
STEEL & IRON								120		150			270
WELDED PIPE				100	20							250	370
COAL						120							120
COAL OIL												200	200
LEAD WARE												40	40
SEALS												40	40
AMMUNITION												0.001	0.001
UNCLASSIFIED	515		300	200	100	3,100	710	2,900	90				10,000
TOTAL	1,000	100	870	8,910	2,125	5,230	1,425	14,500	1,070	1,000	0.075	44,000	80,000

A - INCLUDES BLACK OXIDE

B - INCLUDES LEAD CONTENT OF LEADED ZINC OXIDE

C - SHEET AND SHAP

L. J. A.
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ESTIMATED DOMESTIC LEAD CONSUMPTION

JUNE, 1963

Lead Content

(in short tons)

INDUSTRY	WHITE LEAD		PISC. LEAD COMPOUNDS	LITHARGE	RED LEAD	SOLDER	BEARING METALS	ANTICORROSIVE LEAD PRODUCTS	PIPE AND FITTINGS PRODUCTS	ROLLED PRODUCTS	CALAIDE LEAD	MISCELLANEOUS PRODUCTS	TOTAL
	DOT	IN OIL											
STORAGE BATTERIES				5,245	745			9,025				9,850	25,445
CABLE												3,750	3,750
PAINT & VARNISH	625	170	4050	240	500							1,515	2,430
AMMUNITION				100								17,005	17,255
OIL REF. & GASOLINE													
CONSTRUCTION									1,000	2,125	7,000	975	12,000
INDUSTRIAL				165									165
PAINTING				1,170	40							1,500	1,500
CERAMIC	10			500	10							670	1,220
COLORED													1,500
RAILROADS													745
AUTOMOBILES						1,125	745						1,125
CARS						1,000							1,000
STEEL & IRON												400	400
COLLAPSIBLE TUBES										245		150	245
WHEELS & HOSES				115	10								125
CONTAINERS						80							80
WHEELS WFL												115	115
LEAD HEAD NAILS												50	50
STEEL												50	50
ADAMANT												50	50
UNCLASSIFIED	270		305	210	125	2,375	545	2,725	50			8,205	15,000
TOTAL	905	170	500	8,105	1,070	3,100	1,500	12,500	1,500	2,175	7,000	44,000	97,000

A - INCLUDED IN OIL OXIDE

B - INCLUDED LEAD CONTENT OF LEADED ZINC OXIDE

C - DUST AND STAIN

ESTIMATED DOMESTIC LEAD CONSUMPTION

JULY, 1963

Lead Content

(in short tons)

INDUSTRY	WHITE LEAD		MISC. LEAD COMPOUNDS	LEAD LITHARGE	RED LEAD	SOLUBLE	BRASS METALS	ANTIFORMAL LEAD PRODUCTS	PIPE AND EXTRUDED PRODUCTS	ROLLED PRODUCTS	CALCINE LEAD	MISCELLANEOUS PRODUCTS	TOTAL
	BAR	IN OIL											
STORAGE BATTERIES				4,968	700			9,136				7,000	22,775
CABLE												3,065	3,065
PAINT & VARNISH	575	105	6100	335	905							1,730	2,670
AMMUNITION				225								15,525	15,750
STL. BATT. & GASOLINE													
CONSTRUCTION				56					1,900	1,075	7,005	1,245	11,515
INDUSTRIAL													95
PRINTING												1,200	1,200
CRAMMETS	10			1,500	60								1,560
COLORS				700	10							300	1,100
ROLL-ON													600
ALUMINUM						1,000	600						1,600
STILES						1,135							1,135
FOOD													
STEEL & PIPE										320		275	320
ROLL-ON STEEL													
BLANKS & COILS				100	15							90	245
COATINGS						105							105
WALLS												225	225
LEAD-PIED												110	100
WALLS													
COATINGS													
W. COATINGS	200		300	105	150	2,775	620	2,305	15			4,190	12,005
TOTAL	825	105	755	6,234	1,900	5,095	1,210	11,005	1,515	2,155	7,005	30,670	70,505

A - INCLUDES BLUE OXIDE

B - INCLUDES LEAD CONTENT OF LEADED BATTERY

C - SHEET AND STRIP

ESTIMATED DOMESTIC LEAD CONSUMPTION

AUGUST, 1963

Lead Content

(in short tons)

INDUSTRY	WHITE LEAD		MISC. LEAD COMPOUNDS	LITHIUM	RED LEAD	SOLVED	SOLVED METALS	ANTIMONIAL LEAD PRODUCTS	PIPE AND EXTENDED PRODUCTS	ROLLED PRODUCTS	CALCINE LEAD	MISCELLANEOUS PRODUCTS	TOTAL
	DOT	IN OIL											
STORAGE BATTERIES				5,300	700			0,000				9,730m	25,295
CABLE												4,000	4,000
PAINT & VARNISH	625	100	300	300	1,000							1,425	2,320
AMMUNITION												15,195	15,195
OIL DRILLING & GASOLINE				300									
CONSTRUCTION									1,000	2,000	7,000	000	11,100
INSULATIONS				50									50
POWDERING				1,000	30							1,040	1,040
CEMENT	10			000	15							000	1,325
COAL													
BATTERIES						1,000	000						000
EXTENDED						070							1,000
LEAD													070
STEEL & IRON										300		000	000
COLLAPSE TUBES				100	15							00	000
WELDED & IRON													
CONCRETE						00							00
BRICK & CEMENT												100	100
LEAD WIRE												110	110
WIRE													
CONCRETE													
UNCLASSIFIED	070		300	100	100	2,770	000	2,000	70			7,015	14,000
TOTAL	000	100	700	0,000	1,000	4,000	1,200	12,000	1,000	2,000	7,000	41,000	63,000

A - INCLUDES BATH OIL

B - INCLUDES LEAD CONTENT OF LEADED ZINC OIL

C - SHEET AND STRIP

ESTIMATED DOMESTIC LEAD CONSUMPTION

SEPTEMBER, 1963

Lead Content

(in short tons)

INDUSTRY	WHITE LEAD		MISC. LEAD COMPOUNDS	LITHARGE	PbO LEAD	SOLDER	BEARING METALS	AUTOMOBILE LEAD PRODUCTS	PIPE AND EXTRUDED PRODUCTS	ROLLED PRODUCTS	CASTING LEAD	MISCELLANEOUS PRODUCTS	TOTAL
	DOT	IN OIL											
STORAGE BATTERIES				5.000	021			10.000				10.490a	27.619
CABLES												3.615	3.615
PAINT & VARNISH	300	125	000b	330	070							2.500	2.500
AMMUNITION												2.500	2.500
OIL REF. & GASOLINE				125								12.940	13.005
CONSTRUCTION									1.005	1.005c	5.075	1.070	11.225
INDUSTRIES												1.435	1.435
PRINTING												000	1.500
CERAMICS	10			1.000	00								1.000
COLORED				000									1.000
RAILROADS							070						070
INTERMODALS						1.320							1.320
CARS						1.130							1.130
STEEL & IRON												240	240
FLYINGWHEEL TOWERS										250			250
BRIDGE & ROAD				.130	10							190	330
CRAFTING						100						00	100
BRASS WFL												00	00
LEAD HEAD BAILS												130	130
SEALS												00	00
ADHESIVES												00	00
UNCLASSIFIED	244		405	325	105	2.005	005	2.770	00			9.005	17.505
TOTAL	050	125	005	0.070	2.000	5.305	1.075	13.300	1.054	2.135	5.075	44.120	98.705

a - INCLUDES BRASS BRIDE

b - INCLUDES LEAD CONTENT OF LEADED ZINC OXIDE

c - SHEET AND STRIP

L. I. A.
PAGE 0

ESTIMATED DOMESTIC LEAD CONSUMPTION

OCTOBER, 1963

Lead Content

(in short tons)

INDUSTRY	WHITE LEAD		PINK LEAD COMPOUNDS	LITHARGE	RED LEAD	SOLDED	HEATING METALS	ANTIFRUSTAL LEAD PRODUCTS	PIPE AND FITTINGS PRODUCTS	ROLLED PRODUCTS	CALCINE LEAD	MISCELLANEOUS PRODUCTS	TOTAL
	DOT	IN OIL											
STORAGE BATTERIES				7,300	975			12,515				12,500a	23,340
CABLE												5,795	5,795
PAINT & VARNISH	400	125	400	270	1,120							1,000	2,460
AMMUNITION												13,310	13,310
OIL DEF. & CATALYSTS				100									
CONSTRUCTION									1,000	1,500c	5,795	1,000	11,420
INDUSTRIES				5									5
PRINTING												1,000	1,000
CERAMICS	50			1,700	55								1,805
GLASS				1,200								400	1,600
RAILROADS													510
AUTOMOBILES						1,200	510						1,710
COAL						500							500
STEEL & IRON												500	500
COLLAPSI-BL PUMPS										400			400
ALUMINUM & COPPER				120	15							110	255
COATINGS						110							110
BRASS WFL.												210	210
LEAD HEAD NAILS												190	190
SEALS												25	25
ADHESIVES												30	30
UNCLASSIFIED	210		405	220	200	3,010	75	2,730	75			5,205	10,005
TOTAL	720	125	805	11,130	2,345	5,100	1,305	15,745	1,725	2,005	5,795	45,795	94,930

a - INCLUDES BLACK OXIDE

b - INCLUDES LEAD CONTENT OF LEADED ZINC OXIDE

c - SHEET AND STRIP

ESTIMATED DOMESTIC LEAD CONSUMPTION

NOVEMBER, 1963

Lead Content

(in short tons)

INDUSTRY	WHITE LEAD		MISC. LEAD COMPOUNDS	LITHARGE	RED LEAD	SOLDER	BEARING METALS	ANTIWEAR LEAD PRODUCTS	PIPE AND EXTENDED PRODUCTS	ROLLED PRODUCTS	CALMING LEAD	MISCELLANEOUS PRODUCTS	TOTAL
	BOY	IN OIL											
STORAGE BATTERIES				0.325	775			12.195				13.210	32.515
CABLE												3.825	3.825
PAINT & VARNISH	275	80	3000	300	805							1.600	1.600
AMMUNITION												13.745	13.745
OIL REF. & GASOLINE				125									
CONSTRUCTION									1.425	1.825	4.850	1.175	8.005
INDUCTRIES				5								1.700	1.700
PRINTING													
CERAMICS	5			1.500	50							405	1.635
GLASS				1.100									1.100
RAILROADS													
AUTOMOBILES						1.255	700						200
CARS						810							1.255
STEEL & IRON												110	110
COLLAPSEABLE TUBES										200			200
IN VARIOUS USES				105	50							105	200
BATTERIES						50						140	190
SHIPS WFL												50	50
LEAD HEAD BAILS												25	25
SEALS													
ADHESIVES													
UNCLASSIFIED	120		355	205	105	5.075	615	2.405	50			9.305	17.880
TOTAL	400	80	700	9.810	1.845	9.825	1.375	14.675	1.475	1.775	4.950	48.645	88.510

A - INCLUDES BLACK OXIDE

B - INCLUDES LEAD CONTENT OF LEADED BINE OXIDE

C - SHEET AND STRIP

ESTIMATED DOMESTIC LEAD CONSUMPTION

DECEMBER, 1963

Lead Content

(in short tons)

INDUSTRY	WHITE LEAD		MISC. LEAD COMPOUNDS	LITHIUM	RED LEAD	SOLUBLE	SPECIAL METALS	ANTIMONIAL LEAD PRODUCTS	PIPE AND EXTRUDED PRODUCTS	ROLLED PRODUCTS	CALCINED LEAD	MISCELLANEOUS PRODUCTS	TOTAL
	DOT	IN OIL											
STORAGE BATTERIES				6,200	750			10,000				11,070	33,100
CABLE				225	705							4,150	4,150
PAINT & COATING	275	100	10%									1,470	1,555
AMMUNITION				150								15,010	15,160
OIL REF. & GASOLINE													
CONSTRUCTION				5					1,370	1,050	4,305	805	8,050
INDUSTRIAL													5
PRINTING				1,500	30							1,400	1,400
CRAMMERS	5			500								0%	1,435
COLORS													
RAILROADS													0%
AUTOMOBILES						1,300	0%						1,300
CARS						700							700
STEEL & IRON												200	200
COLLAPSEABLE TUBES										500		215	305
WHEELS & HOSES				100	5								325
COATINGS						0%						0%	0%
BRASS SHEET												0%	0%
LEAD PIPE BATHS												50	50
WELDS													...
ADHESIVES												0,010	13,105
UNCLASSIFIED	120		30%	700	100	3,000	0%	2,100	30				
TOTAL	600	100	500	9,070	1,005	5,275	1,000	10,000	1,000	1,705	4,305	47,015	85,210

A - INCLUDES BLACK OILS

B - INCLUDES LEAD CONTENT OF LEADED FUEL OILS

C - SHEET AND STRIP

IMPORTS OF LEAD PRODUCTS FOR CONSUMPTION*
(In Short Tons of Total Weight)
1958 - 1963**

PRODUCTS	TOTAL	BELGIUM	CANADA	HONGKONG	ITALY	JAPAN	MEXICO	NETHER. LANDS	PORTUGAL	UNITED KINGDOM	WEST GERMANY	ALL OTHERS
LEAD PIPE, SHEET, SHOT, ETC.												
1958	2,622	247	282	...	...	1	990	634	...	861	169	...
1959	3,000	820	482	5	...	...	...	1,901	...	862	146	...
1960	2,952	370	212	...	...	1	...	1,471	...	840	136	14
1961	2,842	972	119	...	22	27	90	1,112	...	432	98	1
1962	2,235	729	66	...	...	29	...	990	...	212	81	211
1963	1,502	226	25	...	...	6	...	925	...	156	26	129
TYPE METAL AND FORMAL LEAD (INCLUDING SCRAP)												
1958	5,167	83	422	209	...	...	4,337	0	...	...	...	96
1959	5,610	...	1,422	340	...	...	3,791	...	...	...	...	77
1960	4,464	...	2,237	230	...	...	1,343	...	...	11	...	975
1961	4,427	...	2,696	90	...	...	3,375	...	...	80	...	13
1962	5,379	...	4,233	...	...	...	4,322	...	...	...	...	...
1963	3,794	...	1,715	...	...	...	2,066	...	...	...	34	...
CRAPPLY FOR SOLDIER												
1958	2,085	...	7	440	...	...	...	...	...	820	646	72
1959	2,044	...	4	6,142	...	...	...	...	112	1,640	2,407	40
1960	8,808	70	116	2,006	...	1	...	...	...	204	5,162	147
1961	7,676	...	70	3,154	...	...	...	...	...	401	3,743	17
1962	2,276	...	30	430	...	...	...	...	576	340	520	330
1963	1,740	...	61	64	...	...	...	14	30	411	1,000	132
LEAD-ROD												
1958	7,712	112	1	...	...	...	7,500	...	...	...	111	...
1959	11,300	117	30	...	...	...	11,127	...	...	...	...	...
1960	13,371	90	1	...	...	...	13,314	...	...	...	...	...
1961	15,360	260	904	...	...	...	14,495	...	...	...	27	...
1962	15,505	123	141	...	...	...	15,316	...	...	...	...	...
1963	14,010	...	54	...	...	...	14,040	...	...	...	...	...
LEAD-ROD												
1958	64	...	...	...	...	...	94	...	...	...	13	...
1959	460	63	...	...	...	...	100	12	...	...	201	...
1960	530	10	...	...	...	...	214	104	...	1	200	...
1961	990	...	...	...	...	...	60	90	...	...	331	...
1962	944	...	...	...	...	...	442	47	...	...	96	...
1963	877	...	...	...	...	...	320	30	...	...	376	...
WHITE LEAD												
1958	723	...	700	...	...	...	...	...	...	20	...	...
1959	1,072	...	770	...	...	...	...	...	...	172	116	...
1960	1,070	...	873	...	...	...	...	100	...	100	600	...
1961	1,404	...	1,070	...	...	...	...	92	...	133	109	...
1962	2,360	...	997	...	...	...	...	153	...	490	710	...
1963	1,616	...	950	...	...	...	...	140	...	270	620	...
LEAD-POWDER												
1958	2,137	...	30	715	7	105	1,076	10	...	80	6	33
1959	2,220	...	134	234	9	222	1,130	70	...	230	119	64
1960	2,101	...	370	45	62	270	1,043	101	...	133	41	55
1961	2,640	15	117	167	144	230	1,643	31	...	101	32	64
1962	2,032	11	124	25	104	251	1,024	51	...	124	20	110
1963	1,430	...	130	21	60	104	640	60	...	233	64	45
TOTAL												
1958	20,510	642	1,424	1,620	7	166	13,621	595	...	1,001	874	100
1959	34,277	1,000	2,021	6,745	9	222	10,105	1,500	112	2,137	3,100	100
1960	34,014	514	3,034	3,193	62	270	15,044	1,510	...	1,340	6,152	900
1961	36,733	1,255	4,077	3,014	100	267	16,254	1,200	...	1,207	4,070	92
1962	33,617	849	5,010	423	104	266	21,040	1,201	576	1,372	1,505	650
1963	25,507	226	2,040	95	60	172	17,030	1,167	30	1,170	2,057	340

See Notes at Bottom of Page 26.

IMPORTS OF LEAD PRODUCTS FOR CONSUMPTION*
(In Short Tons)
September - December 1963**

PRODUCTS	TOTAL		BELGIUM		CANADA		MEXICO		NETHERLANDS		UNITED KINGDOM		WEST GERMANY		ALL OTHER	
	MT	LEAD	MT	LEAD	MT	LEAD	MT	LEAD	MT	LEAD	MT	LEAD	MT	LEAD	MT	LEAD
PLATES, SHEETS, STRIPS																
SEPTEMBER	106	106	40	40	3	3	...	...	107	107	20	20	...	...	...	...
OCTOBER	106	106	...	...	...	...	...	...	...	...	...	...	...	...	...	...
NOVEMBER	134	134	...	...	...	...	...	...	...	...	...	...	...	...	...	...
DECEMBER	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
TOTAL	352	352	75	75	3	3	...	...	207	207	40	40	...	...	...	...
POURERS AND FLAMES																
SEPTEMBER	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
OCTOBER	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
NOVEMBER	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
DECEMBER	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
TOTAL	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
INTERMEDIATE LEAD																
SEPTEMBER	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
OCTOBER	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
NOVEMBER	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
DECEMBER	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
TOTAL	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
ROD																
SEPTEMBER	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
OCTOBER	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
NOVEMBER	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
DECEMBER	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
TOTAL	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
LITHIUM (1)																
SEPTEMBER	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
OCTOBER	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
NOVEMBER	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
DECEMBER	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
TOTAL	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
RED LEAD (1)																
SEPTEMBER	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
OCTOBER	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
NOVEMBER	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
DECEMBER	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
TOTAL	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
WHITE LEAD (1)																
SEPTEMBER	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
OCTOBER	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
NOVEMBER	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
DECEMBER	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
TOTAL	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
LEAD PRODUCT TO GO																
SEPTEMBER	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
OCTOBER	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
NOVEMBER	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
DECEMBER	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
TOTAL	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

* U. S. Bureau of Census

** A warning to report inaccuracies of the U. S. Bureau of the Census regarding September 1963 was at 11:00 PM on September 19, 1963. The data for the month of September 1963 was not available until the end of the month.

(1) The data for the month of September 1963 was not available until the end of the month. The data for the month of September 1963 was not available until the end of the month.

(2) Collected data for the month of September 1963.