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PRODUCTS OF PETROLEUM AND COAL

General Review

1954

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NOTICE

The annual reports prepared by the Industry and Merchandising Division of the Bureau of Statistics are divided into 3 volumes, as follows: Volume I — The Primary Industries, including mining, forestry and fisheries; Volume II — Manufacturing; Volume III — Merchandising and Services. The volumes are made up of parts, and the parts in turn are subdivided according to the industries or provinces which they comprise.

Volume II consists of the following parts, the first two of which deal with manufacturing as a whole and the balance with the major manufacturing groups.

I - General Review of the Manufacturing Industries, \$1.50

II - The Manufacturing Industries of Canada, (7 sections, as follows:)

115-50

Section A. Summary for Canada, 25¢

Section B. Atlantic Provinces, 50¢

Section C. Quebec, 25¢

Section D. Ontario, 25¢

Section E. Prairie Provinces, 40¢

Section F. British Columbia, 25¢

Section G. The Manufacturing Industries of Canada, Regional Distribution, 75¢

III - Foods and Beverages

IV - Tobacco and Tobacco Products

V - Rubber Products

VI - Leather Products

VII - Textile Mills

VIII - Knitting Mills

IX - Clothing

X - Wood and Paper Products

XI - Printing Trades

XII - Iron and Steel Products

XIII - Transportation Equipment

XIV - Non-ferrous Metal Products

XV - Electrical Apparatus and Supplies

XVI - Non-metallic Mineral Products

XVII - Products of Petroleum and Coal

NVIII - Chemicals and Allied Products

XIX - Miscellaneous Manufactures

The present report belongs in Part XVII, Products of Petroleum and Coal. It is punched to permit of filing in a ring binder along with others of the group. The reports in this group are:

A - General Review, 25¢

B - The Coke and Gas Industry, 25¢

C - The Petroleum Products Industry, 25¢

D - The Miscellaneous Products of the Petroleum and Coal Industry, 25¢

PRODUCTS OF PETROLEUM AND COAL

General Review

1954

The Standard Industrial Classification, which has been used by the Dominion Bureau of Statistics in its compilations since 1949, provides for a separate "Products of Petroleum and Coal" group. This major division includes the petroleum products industry, the coke and gas industry and a miscellaneous industry which were classified, in earlier years, to the Manufactures of the Non-Metallic Mineral Products Group.

The gross value of production from the industries in this group was \$1,020,911,348 in 1954 or 24 per cent more than in 1953, see footnote 2. Employment increased to 17,559 from 17,112 in 1953 and payments in salaries and wages advanced to \$70 millions. Materials for manufacturing cost \$625 millions in 1954 and fuel and electricity cost \$37 millions; in the previous year the corresponding amounts were \$576 millions and \$35 millions.

Note 1. In 1952 the gross value of production was replaced by value of factory shipments f.o.b. plant for all of the industries classified to this group except for Petroleum Refining and Coke and Gas. As no information on inventory change is available for 1953, value added figures for this year were obtained by subtracting from the value of factory shipments (Production in the case of Petroleum Refining and Coke and Gas) the cost of materials, fuel and electricity. In 1954 information on the value of year-end inventory holdings at plant and plant warehouses was collected as part of the annual Census of Industry and except for Petroleum Refining and Coke and Gas, the information thus made available was taken into account in calculating the value added figures for 1954.

2. The apparent advance shown in gross selling value of products at works in 1954 over 1953 by the petroleum products portion of this group was due, in part, to an actual galn in physical volume of output reported by the petroleum refining industry segment of this group, but the major factor contributing to this increase was a change in accounting procedure used by some firms in calculating the value of products made. Prior to 1954 several different methods were used in arriving at a selling value of products at works; however, in 1954 all firms reported on a uniform basis, namely, "tank wagon prices, f.o.b. refinery" for all products except heavy fuel oil for which pipeline price was used. The net result of this change in reporting procedure was to exaggerate the galn in gross selling value of products in 1954 over 1953 beyond that which would have been normal had the old basis been in effect. It is estimated that the 1954 gross selling value at works for this portion of the group, using the old basis, would have been about \$770.3 millions instead of the \$909.3 millions indicated in Table 1. On the other hand, the 1953 total, using the new basis, would have been \$822 millions instead of the \$695.0 millions actually reported. Naturally, these changes have affected the figure for "value added by manufacture". The latter varies directly with the gross selling value of products; accordingly, any change in method for deriving the gross value of products is directly reflected in the "Value added by manufacture".

TABLE 1. Principal Statistics for the Products of Petroleum and Coal Group, by Industries and by Provinces, 1953 and 1954

Industry and province	Number of plants	Number of employees	Salaries and wages for year	Cost of fuel and electricity at works	Cost of materials at works	Oross selling value of products at works	Value added by manufacture	
			\$	\$	\$	\$	\$	
by industries:								
1953								
Coke and gas	28	4, 955	16, 946, 845	6, 926, 499	66, 576, 949	122, 721, 045	49, 217, 5	
Petroleum products	55	11,858	48, 574, 772	28, 171, 294	507, 214, 040	694, 988, 605	159, 603, 2	
Miscellaneous products of petroleum and coal	17	299	1, 043, 817	127, 953	2, 519, 652	5, 779, 690	3, 132, 0	
Total	100	17, 112	66, 565, 434	35, 225, 746	576, 310, 641	823, 489, 340	211, 952, 9	
4.0004	700	**, ***	00, 000, 101	30, 880, 120	010,010,011	000, 100, 510	A11, 500, 5	
1954								
Coke and gas	26	4,759	16, 296, 781	6, 036, 155	54, 020, 106	104, 926, 569	44, 870, 3	
Petroleum products	61	12, 476	52, 316, 208	31, 215, 380	568, 541, 677	909, 252, 514	309, 795, 24	
Miscellaneous products of petroleum and			No.					
coal	17	324	1,068,736	143, 687	2, 849, 602	6, 732, 265	3, 706, 7	
Total	104	17, 559	69, 681, 725	37, 395, 222	625, 411, 385	1, 020, 911, 348	358, 372, 3	
y provinces:								
1953								
Newfoundland	1)						
Nova Scotia	2	876	3, 474, 251	2, 135, 222	28, 265, 785	37, 201, 583	6,800,5	
New Brunswick	1							
Quebec	17	3, 924	14, 872, 881	11, 624, 410	195, 004, 647	278, 446, 864	71,817,8	
Ontario	35	6, 066	31, 639, 374	12, 675, 322	187, 824, 365	277, 477, 794	76, 778, 1	
Manitoba	6	582	2, 138, 581	1,136,252	20, 571, 775	27, 021, 780	5, 313, 7	
Saskatchewan	11	1,039	4,011,855	2, 083, 029	46, 113, 979	63, 590, 439	15, 393, 4	
Alberta	18	1, 429	5, 734, 303	3, 104, 051	60, 333, 098	89, 986, 862	26, 549, 7	
British Columbia	8	1	4 004 100	0.007.400	20 100 000	40 564 010	0.000.0	
Northwest Territories	1	1, 196	4, 694, 189	2, 267, 460	38, 196, 992	49, 764, 018	9, 299, 5	
Canada	100	17, 112	66, 565, 434	35, 225, 746	576, 310, 641	823, 489, 340	211, 952, 9	
1954	N. H							
Newfoundland	1	1						
Nova Scotia	2	793	3, 154, 746	1, 889, 133	22, 011, 815	34, 170, 005	10, 269, 5	
New Brunswick	1	,						
Quebec	18	3, 900	15, 280, 994	11,951,631	205, 116, 777	331, 237, 246	114, 277, 6	
Ontario	35	8, 075	32, 220, 122	13, 407, 509	204, 459, 701	348, 012, 142	130, 257, 4	
Manitoba	7	675	2, 449, 980	1, 358, 587	24, 049, 389	36, 302, 368	10, 894, 6	
Sas katchewan	12	1, 146	4, 556, 124	2, 677, 507	51,729,549	77, 324, 150	22, 903, 0	
Alberta	21	1,587	6, 386, 674	2, 907, 714	60, 579, 313	101, 979, 156	38, 551, 6	
British Columbia	8	1	THE STATE OF					
Northwest Territories	1	1, 383	5, 633, 085	3, 203, 141	57, 464, 841	91, 886, 281	31, 218, 2	
Canada	104	17, 55 9	69, 681, 725	37, 395, 222	625, 411, 385	1, 920, 911, 348	358, 372, 3	

^{1.} See footnote to text.

TABLE 2. Employees and Their Earnings in the Products of Petroleum and Coal Group, 1953 and 1954

		Numb	er of emplo	yees	Earnings				
Industry and province	Supervisory and office		Production and related workers		Total	Supervisory and	Production and related	Total	
	Male	Female	Male	Female		office	workers		
		15				\$	\$	\$	
1953									
By industries:						7454			
Coke and gas	900	378	3, 673	4	4, 955	4, 533, 066	12, 413, 779	16, 946, 845	
Petroleum products	3, 213	1, 047	7, 536	62	11,858	18, 808, 302	29, 766, 470	48, 574, 772	
Miscellaneous products of petroleum and			101		200	400.070			
coal	78	35	181	5	299	486, 976	556, 839	1,043,817	
Total	4, 191	1,460	11, 390	71	17, 112	23, 828, 346	42, 737, 088	66, 565, 434	
By provinces:									
Newfoundland	1								
Nova Scotia	105	20	748	3	876	583, 214	2,891,037	3, 474, 251	
New Brunswick									
Quebec	840	191	2, 674	19	3, 924	4, 284, 151	10, 588, 730	14, 872, 881	
Ontario	2, 232	912	4, 666	36	8,066	13, 236, 244	18, 403, 130	31, 639, 374	
Manitoba	139	115	328	_	582	931, 527	1, 207, 054	2, 138, 581	
Saskatchewan	251	76	709	1	1,039	1, 310, 018	2,701,837	4,011,855	
Alberta	319	79	1, 027	4	1, 429	1, 860, 633	3, 873, 870	5, 734, 303	
Dritish Columbia	1	0.7	010		1 100			4 004 400	
Northwest Territories	305	65	818	8	1, 196	1, 622, 559	3,071,630	4, 694, 189	
Canada	4,191	1,460	11, 390	71	17, 112	23, 828, 346	42, 737, 088	66, 565, 434	
1954									
By industries:									
Coke and gas	950	374	3, 435	_	4, 759	4, 981, 731	11, 315, 050	16, 296, 781	
Petroleum products	3, 485	1, 156	7, 780	55	12, 476	20, 557, 338	31, 758, 872	52, 316, 206	
Miscellaneous products of petroleum and coal	87	41	187	9	324	445, 969	622, 767	1,068,736	
Total	4,522	1,571	11, 402	64	17, 559	25, 965, 936	43, 696, 689	69, 681, 725	
Div mantiference									
By provinces: Newfoundland									
Nova Scotia	108	17	665	3	793	585, 947	2, 568, 799	0 164 846	
New Brunswick	100	11	005	3	193	202, 841	2, 500, 199	3, 154, 746	
Quebec	841	184	2, 865	10	3, 900	4, 425, 566	10, 855, 428	15, 280, 994	
Ontario	2, 342	952	4, 744	37	8,075	14, 111, 866	18, 108, 456	32, 220, 122	
Manitoba	176	138	361	-	675	1, 082, 619	1, 367, 361	2, 449, 980	
Saskatchewan	289	84	771	2	1, 148	1, 561, 033	2, 995, 091	4, 556, 124	
Alberta	404	112	1,067	4	1, 587	2, 282, 728	4, 128, 946	6, 386, 674	
British Columbia	103	***	11001	*	1,001	m, auz, 120	1, 100, 510	0, 300, 019	
Northwest Territories	362	84	929	8	1, 383	1, 955, 477	3, 677, 608	5, 633, 085	
Canada	4, 522	1, 571	11, 402	64	17,559	25, 985, 036	43, 696, 689	69, 681, 725	

TABLE 3. Production and Related Workers (Wage-earners) in the Products of Petroleum and Coal Group, 1953 and 1954

TABLE 3. Production a	and Mere	rred MOI	REID (W	age-eat	icis) iii	me rio	uucta v	renor	eum anc	Coar Group, 1953 and			1954
Industry and province	January	Feb- ruary	March	April	May	June	July	August	Sept- ember	October	Nov- ember	Dec- ember	Average of year
					1	ŝ.	Number		l.———				-
1953													1
By industries:													
Coke and gas	3,689	3,659	3,613	3,654	3,728	3, 803	3,786	3, 759	3,706	3,631	3, 596	3,504	3,677
Petroleum products	7, 333	7,316	7,398	7,530	7, 743	7, 803	7,853	7, 853	7, 695	7, 595	7. 543	7. 529	7.598
Miscellaneous products of petroleum and coal	141	147	153	209	223	223	222	210	208	174	162	147	186
Total	11, 163	11, 122	11, 164	11. 39 3	11, 694	11, 829	11, 861	11, 822	11, 609	11,400	11, 301	11, 180	11, 461
By provinces:													
Newfoundland	1												
Nova Scotia	751	752	755	759	786	785	782	774	774	704	697	694	751
New Brunswick					_								-
Quebec	2, 833	2, 815	2,829	2, 914	2, 927	2, 969	2,948	2, 958	2, 928	2, 891	2, 868	2, 825	2,893
Ontario	4, 935	4.902	4,878	4,940	5,003	5,013	5.016	5,001	4, 897	4.872	4, 835	4, 767	4,922
Manitoba	306	307	315	319	328	335	350	343	336	340	336	335	328
Saskatchewan	623	637	664	719	750	733	726	743	762	732	705	724	710
Alherta	921	932	931	955	1.082	1,124	1,121	1,117	1.080	1, 042	1, 035	1.021	1,031
British Columbia)												
Northwest Territories	794	777	792	787	818	870	918	886	832	819	825	814	826
Canada	11, 163	11, 122	11, 164	11, 393	11, 694	11, 829	11, 861	11, 822	11, 609	11,400	11, 301	11, 180	11, 461
1954													
By industries:													
Coke and gas	3, 524	3,506	3,411	3,456	3,395	3,442	3,483	3,471	3, 535	3,388	3,345	3, 299	3,435
Petroleum products	7, 593	7, 628	7,612	7,707	7,967	8,090	8, 163	8.119	7, 882	7,749	7,774	7, 780	7,835
Miscellaneous products of petroleum and coal	153	163	171	187	218	220	222	232	230	192	181	170	196
bed otenin and coat	100	103	1 11	10+	210	220	444	202	230	192	101	110	130
Total	11, 270	11, 297	11, 194	11,350	11,580	11, 752	11, 868	11, 822	11, 647	11, 329	11, 300	11, 249	11, 466
	177	P di											
By provinces:		1000				10,19							
Ne wfoundland	1												
Nova Scotia	689	672	659	6 59	686	689	683	682	668	668	640	623	668
New Brunswick													
Quehec	2, 884	2, 866	2,842	2, 864	2, 944	2,959	2, 955	2, 916	2, 882	2.805	2, 776	2,801	2, 875
Ontarlo	4. 794	4, 800	4,728	4,802	4.817	4,875	4, 919	4,895	4,855	4,630	4,645	4,634	4,781
Manitoba	341	337	343	347	357	367	383	381	367	372	370	364	361
Saskatchewan	708	718	706	743	790	826	862	857	831	810	782	663	773
Alberta	997	1,012	1, 024	1,041	1,066	1.087	1,110	1,119	1.093	1.097	1. 095	1.118	1. 071
British Columbia	1												
Northwest Territories	857	892	892	894	920	949	956	972	951	947	992	1,046	937
Canada	11, 270	11, 297	11, 194	11,350	11,580	11, 752	11, 868	11, 822	11, 647	11, 329	11, 300	11, 249	11,466

TABLE 4. Materials Used in the industries in the Products of Petroleum and Coal Group, 1953 and 1954

	Unit	195	3	1954		
Material	of measure	Quantity	Cost at works	Quantity	Cost at works	
			\$		\$	
Petroieum products industry:						
Crude oil (under 60° A.P.I.) in its natural state, from Canadian wells	Imp. gal.	2, 490, 841, 735	212, 480, 055	3, 244, 511, 863	288, 103, 577	
Absorption gasoline, etc., from Canadian wells (run to stills)	4.1	16, 462, 153	1, 439, 297	18,800,556	1,727,579	
Crude oil, in its natural state, imported, (run to stills):	Imp. gol	521 062 55P	48, 767, 474	302, 142, 090	29, 327, 377	
From United StatesFrom South America	Imp. gal.	521, 062, 558 2, 004, 865, 108	174, 122, 354,	2, 057, 208, 286	180,000,191	
From other countries	11	337, 078, 280	29, 472, 559	345, 864, 205	30, 219, 564	
Crude oil, not in its natural state (run to stills)	4 4	33, 588, 543	3, 307, 265	17, 687, 355	1, 84 1, 63 2	
Blending stocks for gasoline: Alkylate	44	4, 282, 191	1, 176, 053	6, 033, 499	1, 58 1, 095	
Benzol	14	9 16, 755	435, 467	923, 298	448, 404	
Other		5, 466, 720	1, 129, 650	6, 561, 489	1, 124, 137	
Phenol	pound	957, 938	192, 302	598, 709	114, 958	
Sulphuric acid, 100%		14, 714, 718	267, 945	10, 885, 073	207, 808	
Sulphur	4.	378, 867	16, 351	571, 744	26, 049	
Caustic soda	44	13, 722, 020	487, 265	16, 669, 107	604, 851	
Soda ash	44	1, 54 1, 215	54, 568	1, 862, 287	57, 393	
Lithurge		306, 804	51, 432	534, 303	91, 753	
Fuller's earth, bentonite and other clays	ton	10, 916	68 1, 264	6, 981	500, 476	
Compounding materials: Used in refineries.	_	_	1, 323	-	3, 953	
Used in compounding plants	Imp. gal.	14, 819, 505	4. 214, 855	13, 917, 526	4, 324, 018	
Tetraethyl fluid	c.c.	6, 045, 629, 077	10, 764, 652	6, 772, 322, 745	11, 680, 610	
Dyes for gasoline	_	-	75, 140	-	81,068	
Inhibitor	-	-	336, 496	-	344, 814	
Natural gas, wet	M. cu. ft.	42, 517, 493	1, 808, 199	46, 359, 870	1, 950, 296	
Other materials	-	_	11, 535, 456	-	12, 160, 653	
Odeping containers	-		4, 396, 616	-	2, 019, 431	
Total petroleum products industry	-	-	507, 214, 040	-	568, 541, 677	
Cohe and gas industry:	12374	900 1007				
Estuations coal carbonized in ovens or retorts:						
(a) Canadian	ton	1, 079, 067	9, 585, 573	881,443	7, 981, 347	
(b) imported		4, 653, 235	48, 657, 658	3, 722, 832	37, 983, 392	
Bituminous coal for making water gas:	1911					
(a) Canadian (b) Imported	ton	3, 081	37, 436	3, 941	46, 511	
				-,022		
Coke for gas-making: (a) Purchased	ton	19, 156	274, 800	9, 887	193, 824	
(b) Companies' own make	44	116, 437	1, 604, 496	126, 943	1, 552, 882	
Oil used for enriching water gas	Imp. gal.	19, 022, 882	2, 216, 373	20, 136, 871	2, 255, 770	
Absorbing and wash oil	44	381, 657	84, 281	331,005	79, 260	
Caustic soda	pound	2, 04 1, 759	60, 213	2, 044, 082	59, 395	
Lime	ton	393	5, 383	420	5, 848	
Water	_	_	61, 757	_	80, 201	
Iron oxide	ton	7, 989	85, 579	9, 167	100, 240	
Sulphuric acid, 100%	pound	77, 228, 010	1, 131, 779	62,074,911	908, 427	
Propane and butane	Imp. gal.	12, 855, 165	1, 663, 708	13, 246, 164	1, 738, 150	
All other materials	_	_	1, 107, 913	_	1, 056, 859	
Total coke and gas industry	-	_	66, 576, 949	_	54, 020, 106	
		311				
Miscellaneous products of petroleum and coal industry:			100			
Asphalt	ton	41, 371	1, 167, 688	44, 232	1, 210, 918	
Coal, lignite	44	96, 741	193, 528	76, 758	175, 494	
011	Imp. gal.	32, 724	24, 084	21, 277	17, 287	
Pitch	pound	148, 127	8, 184	-	-	
Resin	44	1, 286, 012	228, 705	1, 583, 981	383, 706	
Emulsifying agents	-	_	682	-	589	
All other materials	-		721, 175	_	917, 778	
Shipping containers	-	-	177, 606	-	143, 830	
Total miscellaneous industry	-	_	2, 519, 652	-	2, 849, 602	
Total for group			576, 310, 641		625, 411, 385	
to the total			5.0,510,011		040, 411, 383	

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TABLE 5. Products Made in the Industries in the Products of Petroleum and Coal Group, 1953 and 1934

	Unit	19	953	1954		
Product	of measure	Quantity	Gross selling value at works	Quantity	Gross selling value at works	
			\$		\$	
dade for sale:						
Gasoline (excluding imported casinghead biended); Aviation gasoline	Imp. gal.	21, 061, 321	5, 740, 407	17, 282, 637	5, 534, 652	
Motor gasoline	44	2, 230, 393, 120 20, 419, 820	348, 122, 753 1, 740, 931	2,397,598,690 22,623,229	439, 105, 903 1, 976, 453	
Naphtha specialties		30, 511, 242	5, 873, 655	28, 684, 651	6, 186, 053	
Tractor fuel	74	10, 682, 000 40, 226, 081	1,596,779 6,291,910	5, 607, 515 57, 285, 089	831, 150 9, 227, 486	
Stove oil (No. 1 fuel oil)		15, 096, 608 287, 759, 232	2, 521, 543 40, 296, 754	14, 995, 947 328, 441, 602	2, 594, 689 56, 077, 929	
Diesel fuel	44	380, 091, 987	39, 362, 972	430. 170. 300	59, 887, 17	
Light fuel oils (Nos, 2 and 3): Furnace fuel oil	44	582, 105, 846	72, 976, 766	780, 279, 245	117, 363, 123	
Other light fuel oil. Heavy fuel oils (Nos. 4, 5 and 6)	44	65, 416, 773	6,759,347	56, 025, 389	7, 176, 870	
Lubrication oil:		1, 017, 137, 918	64, 546, 612	1, 057, 140, 028	79, 205, 79	
Made in refineries	4.6	57, 075, 800 11, 994, 387	22, 454, 696 8, 560, 939	55,339,501 13,176,100	36, 786, 391 10, 910, 490	
Lubricating grease:						
Made in refineries		34, 381, 316 14, 096, 250	2, 761, 681 1, 457, 920	29,596,87i 11,733,358	2,598,317 1,432,243	
Asphalt	Imp. gal.	195, 290, 243	23, 961, 117	204, 189, 368	24, 024, 447	
Liquefied petroleum gases	Imp. gal.	146, 794 27, 424, 278	1, 248, 755 2, 907, 125	156, 509 47, 491, 516	1, 480, 213 5, 717, 253	
Other products	-	-	11, 101, 957	_	13, 346, 536	
Total made for sale	-	-	670, 284, 619	-	881, 463, 174	
tade for own use; Gasoline	Imp gol	000 000	203, 635	1 140 014	051 50	
Naphtha specialties	4.6	980, 368 75, 491	14,887	1, 149, 814 108, 049	251, 584 22, 711	
Kerosene	16	9, 852 27, 234	1,719 4,239	7, 237 54, 702	1, 198 8, 03'	
Diesel fuel	4.6	216, 476	16, 115	231, 966	35, 80	
Light fuel oils (Nos. 2 and 3) Heavy fuel oils (Nos. 4, 5 and 6)	44	274, 750 183, 206, 231	34, 181 12, 186, 910	819,953 203,285,259	99, 89: 15, 528 , 69:	
Lubricating oil Asphalt		49, 869 255, 671	18,302 33,440	48, 100	38, 96	
Petroleum coke	ton	91,869	686,331	400, 814 80, 378	48, 103 659, 009	
Other products	M cu. ft.	20, 552, 525	10, 585, 933	19, 803, 708	9, 732, 121 1, 363, 213	
Total made for own use	-	_	24, 703, 986	_	27, 789, 340	
Total — Petroleum products industry	-	-	694, 988, 605	-	909, 252, 514	
Coke and gas industry:						
Gas sold	M cu. ft.	25, 917, 492	32, 340, 134	26, 459, 368	32, 920, 031	
Gas used in own coke or gas plants	44	15, 046, 953 37, 046, 060	3, 395, 112 7, 426, 834	10,072,878 29,776,266	2, 447, 068 6, 048, 403	
Gas otherwise accounted for but not sold	44	482,870	204, 557	662, 469	279, 929	
Gas not accounted for	44 ,	2, 930, 307	605,796	2, 763, 599	545, 25	
Total gas sold or used	**	81, 423, 682	43, 972, 433	69, 734, 580	42, 240, 68	
Coke made: Coke from by-product of bee-hive ovens	ton	3, 762, 229	59, 348, 316	3, 023, 555	46, 871, 86	
Coke from gas retorts	44	150, 253	2, 553, 222	158, 277	2, 151, 76	
Coke breeze from by-product ovens Coke breeze from gas retorts		306, 271 32, 080	2,077,801 192,410	208, 527 33, 859	1, 378, 63	
Total coke	44	4, 252, 833	64, 171, 749	3. 424, 218	50, 537, 88	
Other products:						
Tar		45, 670, 275 85, 265, 326	5, 571, 802 1, 816, 549	40, 958, 480 70, 969, 401	5, 069, 46, 1, 502, 75	
Benzol		9,067,174	4, 290, 298	6, 566, 284	3, 014, 113	
Toluol, xylol and naphthalene	_	2, 330, 366	923,651 1,974,563	2, 160, 404	857, 111 1, 704, 546	
Total - Coke and gas industry	-	_	122, 721, 045	-	104, 926, 56	
iscellaneous products of petroleum and coal industry:						
Asphalt road emulsions	Imp. gal.	11, 187, 281	2, 087, 602	11,693,214	2, 183, 65	
Protective coatings	ton	894, 215 59, 018	583, 026 426, 008	950, 459 80, 553	612,300 599,31	
All other products	-	-	2, 683, 054	00,000	3, 336, 99	
.Total miscellaneous industry		_	5, 779, 690	_	6, 732, 26	
				ET III		
Total for group	-	_	823, 489, 349	_	1, 020, 911, 34	

^{*} See footnote 2 to text.