

THE OIL AND TALLOW TRADE

INTRODUCTORY

This trade comprises firms that were engaged wholly or mainly in the blending of lubricating oils (other than lubricating oils refined and blended at petroleum refineries, for which *see* page 395) and the refining or blending of fish oils and animal fats.

Owing to the exclusion of hydro-carbon oils from the scope of Section 9 of the Import Duties Act, returns were not obtained in 1933 or 1934 from firms whose main output consisted of mixed petroleum oils. The value of the gross output of these establishments in 1935 was £409,000, the net output £149,000 and the number of persons employed 468. Particulars of the output of these firms (including that of firms in the Bacon Curing and Sausage Trade, which was not covered by the 1934 Inquiry) are given in a footnote to Table V A.

Table I A.—General summary

Particulars	1935	1934	1933	1930*	1924*
	£'000	£'000	£'000	£'000	£'000
Value of products (Gross output)...	17,644	13,769	13,867	16,446	11,757
Cost of materials, fuel and electricity used	11,971	9,281	9,415	11,494	9,324
Amount paid for work given out...	9	8	7	2	1
Net output	5,664	4,480	4,445	4,950	2,432
Average number of persons employed	No.	No.	No.	No.	No.
	9,717	8,241	7,926	8,081	6,303
Net output per person employed...	583	544	561	613	386
	No.			No.	No.
Number of returns	194	} †	† {	168	178
Number of establishments...	201			186	†

* The figures relate to Great Britain only, particulars of the small production in Northern Ireland not being available.

† Not available.

Table I B.—Firms employing not more than ten persons on the average

Particulars	1935	1930*	1924
	No.	No.	No.
Number of returns received	407	354	288
Average number of persons employed :—			
Males... ..	2,539	1,840	1,237
Females	332	200	105
TOTAL	2,871	2,040	1,342
Number of firms not making returns	—	27	40

* Great Britain only.

In 1924 the value of the gross output of the 288 small firms making returns (including the few firms in Northern Ireland, for which separate particulars cannot be given) was 13.2 per cent. of the total, the classes of goods affected being:—

Kind of output	Value	Proportion of total
	£'000	Per cent.
Lubricating oils, mixed, including greases	702	11.9
Animal oils, fats and greases (except lard and stearine, and marine animal oils)	566	14.6
Stearine	18	7.5
Fish and marine animal oils:—		
Whale oil	8	2.7
Other and unclassified	39	10.8
Other oils (except petroleum and vegetable and seed oils) ...	270	20.5
Other goods	189	...
TOTAL	1,792	13.2

Table II.—Size of establishments in 1935

Size of establishment (average number employed)	Number of establishments	Gross output	Net output	Number of persons employed	Net output per person employed
	No.	£'000	£'000	No.	£
11-24	92	2,453	765	1,577	485
25-49	61	2,574	748	2,019	370
50-99	29	3,827	909	2,014	451
100-199... ..	11	4,415	1,486	1,551	958
200-299... ..	5	1,986	868	1,311	662
300 and over	3	2,389	888	1,245	714
TOTAL	201	17,644	5,664	9,717	583

Table III.—Particulars of output, etc., in each of the principal areas of the United Kingdom

Area*	Number of establishments†	Gross output	Net output	Number of persons employed	Net output per person employed
	No.	£'000	£'000	No.	£
1	1935 54	5,753	2,290	3,368	680
	1930 41	4,395	1,505	2,703	557
2	1935 46	7,404	2,311	3,081	750
	1930 46	7,351	2,498	2,668	936
3	1935 21	659	215	655	328
	1930 18	522	161	507	317
4	1935 9	443	83	352	237
	1930 9	510	97	251	389
6	1935 5	161	47	127	371
7	1935 7	168	60	169	356
8 and 9	1935 5	135	75	172	437
10	1935 17	1,829	293	885	330
6 to 10	1935 34	2,293	475	1,353	351
	1930 26	2,616	458	1,110	412

Area*	Number of establishments†	Gross output	Net output	Number of persons employed	Net output per person employed
	No.	£'000	£'000	No.	£
5, 12 and 18	1935 13	324	98	321	307
	1930† 4	101	36	69	519
14	1935 19	618	155	485	319
	1930 16	704	134	543	247
15 and 17	1935 5	150	37	102	359
	1930 8	247	61	230	265
TOTAL	1935 201	17,644	5,664	9,717	583
	1930† 168	16,446	4,950	8,081	613

* For particulars see page xviii.

† Number of returns for 1930.

‡ Excluding Northern Ireland.

Table IV.—No sub-divisions of this trade have been distinguished.

PRODUCTION

Table V A.—Output of principal products

Kind of output	1935*			1934	
	Quantity	Value	Entries	Quantity	Value
Lubricating oils, mixed, including greases:—	Th. tons	£'000	No.	Th. tons	£'000
Petroleum†... ..	221.9	3,770	57	158.1	3,058
	Th. galls.			Th. galls.	
	6,982	718	26	3,372	366
Other	Th. tons			Th. tons	
	160.0	3,798	118	151.8	3,537
	Th. galls.			Th. galls.	
	2,523	215	27	2,001	172
Total—Lubricating oils	Th. tons			Th. tons	
	381.9	7,568	...	309.9	6,595
	Th. galls.			Th. galls.	
	9,505	933	...	5,373	538
Animal oils, fats and greases (except marine animal):—	Th. tons			Th. tons	
Tallow, not refined	25.1	571	72	16.3	283
Refined tallow and oleo-margarine and oleo oil ...	12.9	381	35	16.8	334
Stearine (stearic acid)	10.3	306	14	8.9	257
Other animal oils, fats and greases (except lard, dripping, suet and other edible animal fats)	24.6	378	106	15.1	255
Unclassified	19.6	357	48	18.4	280
Total—Animal oils, fats and greases	92.5	1,993	...	75.5	1,409

Kind of output	1935*			1934	
	Quantity	Value	Entries	Quantity	Value
	Th. tons	£'000	No.	Th. tons	£'000
Fish and marine animal oils, fats and greases (refined and unrefined) :—					
Whale oil, including hardened whale oil ...	90.6	1,361	13	68.9	1,083
Cod and cod liver oil :—					
Industrial	5.5	96	14	4.4	86
Other	10.0	317	14	5.7	189
Other fish and marine animal oils... ..	6.4	147	26	9.2	228
Total—Fish and marine animal oils	112.5	1,921	...	88.2	1,586
Other oils (except petroleum, sulphonated oils, and vegetable and seed oils) ...	17.4 Th. galls. 456	373 50	33 5	13.4 Th. galls. 153	302 11
Lard compound	88.2	2,906	43	56.5	1,657
Work done for the trade or on commission ... ..	...	33‡	13	...	33‡
TOTAL — PRINCIPAL PRODUCTS ... ..	...	15,777	...	...	12,131

* The particulars shown for 1935 include the output of certain firms in the Oil and Tallow Trade that were not required to make returns in 1934 (see introductory paragraphs, page 379), and of firms in the Bacon Curing and Sausage Trade which was not covered by the Inquiry of 1934; the amounts so included are :—

	Th. tons	Th. galls.	£'000
Lubricating oils, mixed, including greases :—	10.6	...	181
Petroleum ... ..	...	1,106	128
Other	2.7	...	53
Tallow, not refined	1.1	...	25
Refined tallow and oleo-margarine and oleo oil	0.4	...	9
Other animal oils, fats and greases	1.5	...	30
Unclassified animal oils	0.3	...	10
Other oils (except petroleum, vegetable and seed oils) ... ..	...	345	40
Lard compound	1.9	...	58

† Defined as lubricating oils consisting solely of mixed petroleum oils. For the output of petroleum lubricating oils at petroleum refineries see page 396.

‡ Amount received.

The figures shown in the preceding table include the following output recorded by firms whose returns were made on schedules for other trades and are not, therefore, included in Table I A.

Kind of output	1935			1934	
	Quantity	Value	Entries	Quantity	Value
	Th. tons	£'000	No.	Th. tons	£'000
Lubricating oils, mixed, including greases :—	1.0	24	4	3.0	35
Petroleum	7	1	1		
Other	5.7	127	51	16.7	459
	138	10	4		
Total — Lubricating oils	6.7 Th. galls. 145	151 11	...	19.7	494
Animal oils, fats and greases (except marine animal) :—	Th. tons				
Tallow, not refined	4.0	82	25	2.8	47
Refined tallow and oleo-margarine and oleo oil ...	1.3	30	10	0.7	12
Stearine (stearic acid)	3.8	135	2	3.7	127
Other animal oils, fats and greases (except lard, dripping, suet and other edible animal fats)	3.5	65	53	2.7	44
Unclassified	19.6	357	48	18.2	278
Total—Animal oils, fats and greases	32.2	669	...	28.1	508
Fish and marine animal oils, fats and greases (refined and unrefined) :—					
Whale oil, including hardened whale oil ...	5.2	92	3	3.1	97
Cod and cod liver oil :—					
Industrial	0.3	5	2		
Other	0.1	2	3		
Other fish and marine animal oils... ..	0.3	5	...		
Total—Fish and marine animal oils	5.9	104	...	3.1	97
Other oils (except petroleum, sulphonated oils, and vegetable and seed oils) ...	2.1 Th. galls. 28	33 3	11 2	2.5	47
Lard compound	28.0	1,050	24	10.0	366
TOTAL ... ..	...	2,021	...	...	1,512

Table V B.—Output for sale of certain principal products, 1924-1935

Kind of output	1924	1930	1933*	1934*	1935
Lubricating oils, mixed, including greases :—					
Returned in tons { <i>Th. tons</i>	186.3	272.8	302.6	309.9	381.9
Returned in gal- lons ... { <i>£'000</i>	4,638	6,754	6,508	6,595	7,568
Returned in gal- lons ... { <i>Th. galls.</i>	4,863	17,451	5,152	5,373	9,505
Returned in gal- lons ... { <i>£'000</i>	583	1,573	543	538	933
Total — Lubri- cating oils ... <i>£'000</i>	5,221	8,327	7,051	7,133	8,501
Animal oils, fats and greases (except marine animal) :—					
Stearine (stearic acid) ... { <i>Th. tons</i>	5.2‡	7.2	8.3	8.9	10.3
Stearine (stearic acid) ... { <i>£'000</i>	222‡	298	252	257	306
Tallow, not re- fined ... { <i>Th. tons</i>	...	14.1	17.8	16.3	25.1
Tallow, not re- fined ... { <i>£'000</i>	...	388	333	283	571
Other and un- classified ... { <i>Th. tons</i>	3,307§	...	57.4§	50.3	57.1
Other and un- classified ... { <i>£'000</i>	...	1,594§	1,393§	869	1,116
Total — Animal oils, fats and greases ... { <i>Th. tons</i>	...	...	83.5§	75.5	92.5
Total — Animal oils, fats and greases ... { <i>£'000</i>	3,529§	2,280§	1,978§	1,409	1,993
Fish and marine animal oils, fats and greases (refined and unrefined) :—					
Whale oil, in- cluding hard- ened whale oil { <i>Th. tons</i>	8.8	30.1	74.9	68.9	90.6
Whale oil, in- cluding hard- ened whale oil { <i>£'000</i>	293	915	1,333	1,083	1,361
Other and un- classified ... { <i>Th. tons</i>	10.7	19.6	15.7	19.3	21.9
Other and un- classified ... { <i>£'000</i>	322	519	339	503	560
Total—Fish and marine animal oils ... { <i>Th. tons</i>	19.5	49.7	90.6	88.2	112.5
Total—Fish and marine animal oils ... { <i>£'000</i>	615	1,434	1,672	1,586	1,921
Other oils (except petroleum, sulphonated, and veget- able and seed oils) :—					
Returned in tons { <i>Th. tons</i>	...	13.2||	14.3	13.4	17.4
Returned in tons { <i>£'000</i>	1,048	351	251	302	373
Returned in gal- lons ... { <i>Th. galls.</i>	—	—	—	153	456
Returned in gal- lons ... { <i>£'000</i>	—	—	—	11	50
Lard compound... { <i>Th. tons</i>	25.1‡	44.4	55.1	56.5	88.2
Lard compound... { <i>£'000</i>	1,507‡	1,901	1,794	1,657	2,906
Work done for the trade or on com- mission¶ ... <i>£'000</i>	11	14	32	33	33
TOTAL— PRINCIPAL PRODUCTS <i>£'000</i>	11,931	14,307	12,778	12,131	15,777

* See introductory paragraphs (page 379), and footnote (*) to Table V A.

‡ So far as recorded separately.

§ Including some dripping, suet, and other edible animal fats.

|| Including an estimate for value returned without quantity.

¶ Amount received.

Table VI.—Average values of goods produced, exported and imported

Kind of goods	Production (at factory)		Exports (f.o.b.)	Imports (c.i.f.)			
	Average value	1935 as a per- centage of 1934		Average value	Average value		
	1935	1934*	1935	1934	1935	1934	
Lubricating oils, mixed, including greases (ex- cept petroleum lubri- cating oils) ...	£ per ton	£ per ton	Per cent.	£ per ton	£ per ton	£ per ton	£ per ton
Animal oils, fats and greases :—							
Tallow, not refined ...	23.73	23.30	101.9	27.98‡	28.43‡	33.31‡	43.17‡
Refined tallow and oleo- margarine and oleo oil	22.76	17.34	131.3	23.46	17.98§	25.74	18.07
Stearine (stearic acid)	29.45	19.89	148.1	30.01	23.45	34.27	24.99
Fish and marine animal oils, fats and greases (refined and un- refined) :—							
Whale oil, including hardened whale oil ...	29.81	28.94	103.0	34.66	33.92	31.62	28.82
Cod and cod liver oil :—							
Industrial ...	15.03	15.72	95.6	18.47	19.86	13.07	11.93
Other ...	17.40	19.63	88.6	31.56	32.87	§	§
Total—Cod and cod liver oil ...	26.54	27.14	97.8	33.43||	32.73||	32.12||	35.31||
Lard compound ...	32.94	29.35	112.2	35.92	31.43	27.98	24.41

* See footnote (*) to Table V A.

‡ The quantities for exports and imports are recorded in gallons and average values have been estimated on the basis of 245 gallons to the ton.

§ Not recorded separately.

|| Described as "cod liver oil."

Table VII.—Volume of Production, 1924-1935

Kind of output	Total production			Production index (1935 = 100)			
	1935 as returned	1934		1924	1930	1933	1934
		As returned	At 1935 average values				
Lubricating oils, mixed, including greases ...	£'000	£'000	£'000	Per cent.	Per cent.	Per cent.	Per cent.
Animal oils, fats and greases (except marine animal) :—							
Tallow, not refined ...	8,501	7,133	6,825	50	80	82*	84*
Other and unclassified animal oils, fats and greases† ...	571	283	372	118	56	74*	68*
Stearine (stearic acid)	1,116	869	1,053		57	113	159*	99*
	306	257	265		71	81	87

Kind of output	Total production			Production index (1935 = 100)			
	1935 as returned	1934		1924	1930	1933	1934
		As returned	At 1935 average values				
£'000	£'000	£'000	Per cent.	Per cent.	Per cent.	Per cent.	
Fish and marine animal oils, fats and greases (refined and unrefined):—							
Whale oil	1,361	1,083	1,036	10	33	83	76
Other and unclassified	560	503	468	45	84	67	84
Other oils (except petroleum, sulphonated oils, and vegetable and seed oils)	423	313	293	188	66	79*	77*
Lard compound ...	2,906	1,657	1,862	28	50	63*	65*
Work done for the trade	33	33	33	28	36	95	100
TOTAL	15,777	12,131	12,207	53	71	83*	80*

* The aggregate for the base year has been adjusted in calculating these indices (see footnote (*) to Table V A).

† The figures for 1933 and earlier years include some dripping, suet and other edible animal fats.

Table VIII.—Production in relation to Exports and Imports

Kind of goods	Production	Exports	Proportion of production exported	Retained imports	Available for use in the United Kingdom		Share of home market held by British goods
					Th. galls.	Th. galls.	
Lubricating oils, mixed, including greases (except petroleum oils) ...	1935 41,733* 1934 39,198*	6,405 5,987	15.3 15.3	428 291	35,756 33,502	98.8 99.1	
Animal oils, fats and greases (except marine animal):—							
Tallow, not refined	1935 25.1 1934 16.3	24.8 7.2	98.7 44.1	11.1 25.6	11.4 34.7	2.8 26.2	
Refined tallow and oleo-margarine and oleo oil	1935 12.9 1934 16.8	1.6 1.8	12.6 10.5	26.2 32.3	37.5 47.3	30.1 31.8	
Stearine (stearic acid)	1935 10.3 1934 8.9	2.8 2.2	27.0 25.0	1.0 1.1	8.5 7.8	88.2 85.4	
Fish and marine animal oils, fats and greases (refined and unrefined):—							
Whale oil, including hardened whale oil	1935 90.6† 1934 68.9†	5.2 3.6	... ...	124.8 119.0	... ...	... ...
Cod and cod liver oil ‡	1935 15.5 1934 10.1	2.8 1.7	17.9 16.6	1.9 2.1	14.6 10.5	87.0 79.8	
Lard compound	1935 88.2 1934 56.5	3.4 2.0	3.9 3.5	0.5 0.5	85.3 55.0	99.5 99.0	

* Estimated on the basis of 245 gallons to the ton.

† Including imported oil hardened or refined in the United Kingdom.

‡ Described as "cod liver oil" for exports and imports.

Table IX.—Other output of the Oil and Tallow Trade

The value of the gross output of the firms whose returns were made on schedules for the Oil and Tallow Trade was £17,644,000 in 1935 and £13,769,000 in 1934, of which £13,756,000 in 1935 and £10,619,000 in 1934 consisted of products included in Table V A. Particulars of the remaining items are shown below.

Kind of output	1935		1934	
	£'000	£'000	£'000	£'000
Dripping, suet and other edible animal fats	723	650		
Lard (not including lard compound)	450	158		
Vegetable and seed oils:—				
Refined	1,601	1,404		
Unrefined	80	70		
Bones:—				
For manufacturing purposes	58	45		
For manure	25	30		
Feeding stuffs for animals and poultry:—				
Fish meal	85	86		
Other feeding stuffs	223	210		
Fertilisers	35	82		
Acid oils (including fatty acids and oleines)	230	181		
Pitch	50	31		
Glue and size	37	46		
Margarine	41	27		
Soap for domestic and industrial purposes	21	13		
Other goods	184	62		
Greases, cracklings and other waste, sold	45	55		
TOTAL	3,888	3,150		

MATERIALS AND FUEL

Table X A.—Materials, fuel and electricity purchased and used

Kind of materials, etc.	1935		1934
	Quantity	Cost	Cost
Oils, fats and greases:—	Th. galls.	£'000	£'000
Petroleum	50,396	1,908	
Whale oil	Th. tons		
Fish oil	162.3	1,595	
Tallow ... ..	...	371	
Castor oil	110.7	1,318	
Rape seed oil	13.2	303	
Fuel and electricity used for all purposes:—	8.2	171	
Coal	1.9	57	
Coke	5.4	162	
Heavy fuel oil	150.2	135	
Purchased electricity*	13.8	11	
All other purchased materials and fuel	Th. galls.		
	993	12	
	Th.		
	B.T.U.		
	(Kw.-hrs.)		
	33,209	68	
	...	5,860	
TOTAL ... ..	...	11,971	9,281

* Including electricity generated in other works under the same ownership.

Table X B.—Consumption of coal, coke and electricity in 1935 and 1930

Kind of fuel	1935	1930*
		Th. tons	Th. tons
Coal	150.2	114.1
Coke... ..	13.8	7.2
	Th. B.T.U. (Kw.-hrs.)	Th. B.T.U. (Kw.-hrs.)
Electricity :—		
Generated in same works	2,773	3,051
Generated in other works under same ownership ...	14,895	10,429
Purchased	18,314	6,200
Total electricity consumed	35,982	19,680

* Great Britain only.

EMPLOYMENT**Table XI A.—Average numbers employed in 1935 and 1934**

Persons employed	Males		Females		Total		
	Under 18	All ages	Under 18	All ages	Under 18	All ages	
	Operatives (average for the year)	345	5,200	139	696	484	5,896
Administrative, technical and clerical staff*	162	2,855	108	966	270	3,821	
	1934	4,532	95	630	432	5,162	
	1935	2,364	74	715	182	3,079	
	1934	108	2,364	74	715	3,079	
TOTAL	507	8,055	247	1,662	754	9,717†	
	1934	445	6,896	169	1,345	614	8,241

* As at 12th October, 1935, and 13th October, 1934.

† The total comparable with 1934 is 9,249 (see introductory paragraphs, page 379).

Table XI B.—Operatives employed in one week in each month of 1934 and 1935 by firms furnishing returns in respect of the twelve months ended December

Mid week of*	Operatives employed		Monthly index†		
	1934	1935	1933	1934	1935
	January	3,787	4,272	82.9	85.0	96.4
February	3,797	4,317	83.1	85.2	97.4
March	3,817	4,289	83.6	85.7	96.8
April	3,826	4,338	83.1	85.9	97.9
May	3,824	4,340	85.0	85.8	97.9
June	3,869	4,322	84.2	86.9	97.5
July	3,863	4,404	84.5	86.7	99.3
August	3,876	4,415	84.4	87.0	99.6
September	4,035	4,575	87.8	90.6	103.2
October	4,053	4,639	89.2	91.0	104.7
November... ..	4,031	4,698	88.5	90.5	106.0
December	4,018	4,579	87.0	90.2	103.3
Average for the twelve months	3,900	4,432	85.3	87.5	100.0
Proportion of total operatives represented	75.55	75.17	...	...	...

* For the ending date of each week see page xiv.

† Based on the estimated average for the year 1935.

Table XI C.—Average numbers employed 1924-1935

Year	Operatives	Administrative, technical and clerical staff	Total
1924*	4,263	2,040	6,303
1930*	4,796	3,285	8,081
1933	5,028	2,808	7,926
1934	5,162	3,079	8,241
1935†	5,896	3,821	9,717

* Great Britain only.

† See footnote (†) to Table XI A, page 388.

WAGES**Table XII.—Wages paid by firms furnishing returns of wages in 1935 and 1930**

The aggregate amount of wages paid by firms furnishing returns of wages was £440,000 in 1935 representing 13.3 per cent. of the net output of these firms, the corresponding figures for 1930 being £279,000 and 17.7 per cent. The figures for these firms given below indicate the size of the sample and the extent to which it is representative.

Firms furnishing returns of wages	1935		1930	
	Aggregate	Proportion of trade	Aggregate	Proportion of trade
Gross output... ..	£'000 9,193	Per cent. 52.1	£'000 6,147	Per cent. 37.4
Net output	3,317	58.6	1,572	31.8
Operative staff employed :—	No.		No.	
During mid-week of October :—				
Males	2,925	54.3	*	*
Females... ..	528	73.1		
Total	3,453	56.5	2,156	44.9
Average for the year	3,275	55.5	2,054	42.8
Administrative, technical and clerical staff	2,204	57.7	*	*
Number of establishments	87	43.3	...	...

* Not recorded separately.

COUNTRY TABLES (1935)

Note.—The figures given in the following tables relate only to firms whose returns were made on schedules for the Oil and Tallow Trade.

Owing to the possible disclosure of information relating to individual firms, separate particulars for Northern Ireland cannot be given.

Table I.—General summary

Particulars	Unit	England and Wales and Northern Ireland	Scotland	United Kingdom
Value of products (Gross output) ...	£'000	16,876	768	17,644
Cost of materials, fuel and electricity used ...	"	11,395	576	11,971
Amount paid for work given out ...	"	9	—	9
Net output ...	"	5,472	192	5,664
Average number of persons employed ...	No.	9,130	587	9,717
Net output per person employed ...	£	599	326	583
Number of returns ...	No.	170	24	194
Number of establishments ...	"	177	24	201

Table II.—Output

Kind of output	Unit	England and Wales and Northern Ireland	Scotland	United Kingdom
Lubricating oils, mixed, including greases :—				
Petroleum† :—				
Returned in tons ...	Th. tons	217.6	3.3	220.9
Returned in gallons ...	Th. galls.	6,774	201	6,975
Other :—				
Returned in tons ...	Th. tons	152.9	1.4	154.3
Returned in gallons ...	Th. galls.	2,277	108	2,385
Total—Lubricating oils ...	£'000	370.5	4.7	375.2
	£'000	7,324	93	7,417
	Th. galls.	9,051	309	9,360
	£'000	894	28	922
Animal oils, fats and greases (except marine animal) :—				
Tallow, not refined ...	Th. tons	20.3	0.8	21.1
Refined tallow and oleo-margarine and oleo oil ...	£'000	469	20	489
Stearine (stearic acid) ...	Th. tons	10.9	0.7	11.6
Other animal oils, fats and greases (except lard, dripping, suet and other edible animal fats) ...	£'000	331	20	351
	Th. tons	25.6	2.0	27.6
	£'000	439	45	484
Total—Animal oils, fats and greases ...	Th. tons	56.8	3.5	60.3
	£'000	1,239	85	1,324

Kind of output	Unit	England and Wales and Northern Ireland	Scotland	United Kingdom
Fish and marine animal oils, fats and greases (refined and unrefined) :—				
Whale oil, including hardened whale oil ...	Th. tons	*	*	85.4
	£'000			1,269
Cod and cod liver oil :—				
Industrial ...	Th. tons	3.6	1.6	5.2
	£'000	53	38	91
Other ...	Th. tons	*	*	9.9
	£'000			315
Other fish and marine animal oils, etc. ...	Th. tons	0.9	5.2	6.1
	£'000	27	115	142
Total — Fish and marine animal oils ...	Th. tons	95.8	10.8	106.6
	£'000	1,566	251	1,817
Other oils (except petroleum, sulphonated, and vegetable and seed oils) :—				
Returned in tons ...	Th. tons	14.1	1.2	15.3
	£'000	316	24	340
Returned in gallons ...	Th. galls.	428	—	428
	£'000	47	—	47
Lard compound ...	Th. tons	54.8	5.4	60.2
	£'000	1,686	170	1,856
Dripping, suet and other edible animal fats ...	£'000	687	36	723
Lard (not including lard compound)	£'000	450	—	450
Vegetable and seed oils :—				
Refined ...	£'000			1,601
Unrefined ...	£'000			80
Bones :—		*	*	
For manufacturing purposes ...	£'000			58
For manure ...	£'000			25
Feeding stuffs for animals and poultry :—				
Fish meal ...	£'000	85	—	85
Other feeding stuffs ...	£'000	207	16	223
Fertilisers ...	£'000	35	—	35
Other goods ...	£'000	513	50	563
Greaves, cracklings and other waste, sold ...	£'000	44	1	45
Work done for the trade or on commission ...	£'000	*	*	33†
TOTAL — VALUE OF GOODS MADE AND WORK DONE ...	£'000	16,876	768	17,644

† See footnote (†) to Table V A (page 382).

* Owing to the possible disclosure of information relating to individual firms, separate particulars cannot be given.

† Amount received.

Table III A.—Materials, fuel and electricity purchased and used

Kind of materials, etc.	Unit	England and Wales and Northern Ireland	Scotland	United Kingdom
Oils, fats and greases :—				
Petroleum :—				
Quantity stated	Th. galls.	49,565	831	50,396
	£'000	1,872	36	1,908
Quantity not stated	Th. tons	160.1	2.2	162.3
	£'000	1,562	33	1,595
Whale oil	Th. tons	107.0	3.7	110.7
	£'000	1,248	70	1,318
Fish oil	Th. tons	10.6	2.6	13.2
	£'000	245	58	303
Tallow	Th. tons	5.6	2.6	8.2
	£'000	119	52	171
Castor oil	Th. tons	1.4	0.5	1.9
	£'000	47	10	57
Rape seed oil	Th. tons	5.4	—	5.4
	£'000	162	—	162
Fuel and electricity used for all purposes :—				
Coal	Th. tons	138.3	11.9	150.2
	£'000	127	8	135
Coke	Th. tons	13.8	—	13.8
	£'000	11	—	11
Heavy fuel oil	Th. galls.	983	10	993
	£'000	12	*	12
Purchased electricity†... ..	Th. B.T.U. (Kw.-hrs.)	32,193	1,016	33,209
	£'000	66	2	68
All other purchased materials and fuel	£'000	5,553	307	5,860
TOTAL	£'000	11,395	576	11,971

* Less than £500.

† Including electricity generated in other works under the same ownership.

Table III B.—Consumption of electricity

Electricity consumed	England and Wales and Northern Ireland	Scotland	United Kingdom
	Th. B.T.U. (Kw.-hrs.)	Th. B.T.U. (Kw.-hrs.)	Th. B.T.U. (Kw.-hrs.)
Generated in same works	2,192	581	2,773
Generated in other works under same ownership... ..	14,895	—	14,895
Purchased	17,298	1,016	18,314
Total	34,385	1,597	35,982

Table IV A.—Numbers employed in week ended 12th October, 1935

Persons employed	Males		Females		Total	
	Under 18	All ages	Under 18	All ages	Under 18	All ages
England and Wales and Northern Ireland :—						
Operatives	345	5,049	138	678	483	5,727
Administrative, etc.*... ..	154	2,718	105	908	259	3,626
Total	499	7,767	243	1,586	742	9,353
Scotland :—						
Operatives	13	341	6	44	19	385
Administrative, etc.*... ..	8	137	3	58	11	195
Total	21	478	9	102	30	580
United Kingdom :—						
Operatives	358	5,390	144	722	502	6,112
Administrative, etc.*... ..	162	2,855	108	966	270	3,821
TOTAL	520	8,245	252	1,688	772	9,933

* Administrative, technical and clerical staff.

Table IV B.—Operatives employed in one week in each month of 1935

Week ended	Males and females		
	England and Wales and Northern Ireland	Scotland	United Kingdom
January 19	5,331	390	5,721
February 16	5,379	398	5,777
March 16	5,376	396	5,772
April 13	5,402	388	5,790
May 18	5,423	394	5,817
June 15... ..	5,360	393	5,753
July 13... ..	5,450	390	5,840
August 17	5,480	381	5,861
September 14	5,637	392	6,029
October 12	5,727	385	6,112
November 16	5,794	399	6,193
December 14	5,692	396	6,088
Average for the twelve months	5,504	392	5,896

Table V.—Firms employing not more than ten persons on the average

Particulars	England and Wales and Northern Ireland	Scotland	United Kingdom
	No.	No.	No.
Number of returns received	357	50	407
Average number of persons employed :—			
Males... ..	2,308	231	2,539
Females	281	51	332
Total	2,589	282	2,871