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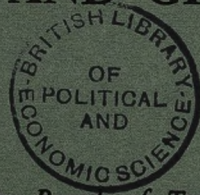
BOARD OF TRADE

THE REPORT
on the
CENSUS OF PRODUCTION
FOR 1951

Volume 2

Trade O

OILS AND GREASES



*Presented by the Board of Trade to Parliament
in pursuance of the Statistics of Trade Act, 1947
(10 & 11 Geo. 6, Ch. 39, Sec. 7).*

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* Not applicable to this trade

OILS AND GREASES TRADE

THIS REPORT on the Oils and Greases Trade relates to establishments engaged wholly or mainly in blending mineral, animal or vegetable lubricating oils (except at refineries), in the production of cycle and motor oils, cart grease, etc., and of dripping, suet, tallow, premier jus, oleo-stearine and other animal (except marine animal) oils, fats and greases (except lard), and in the production and refining of fish liver oil.

This trade corresponds to minimum list heading 39(1) and (3) in the Standard Industrial Classification.

Any establishments in Northern Ireland in 1948 are excluded; there were no larger establishments in Northern Ireland in the register for this trade in 1951.

IMPORTANT NOTES and definitions appear on the inside of the back cover of this report. In interpreting the data in the following tables, it is essential to bear these in mind.

OILS AND GREASES TRADE

Summary

Larger establishments (a)

TABLE 1

	United Kingdom			Great Britain		United Kingdom	
	1951	1950	1949	1949 (b)	1948	1937	1935
	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Gross output (production) (c)	48,993	39,723	36,937	..	30,952	13,093	11,857
Cost of materials and fuel used (d)	35,875	28,287	26,177	..	22,389	8,101	7,098
Payment for work done on materials given out	127	54	26	..	44	20	9
Transport payments (e)	1,307	..	..	..	..	..	..
Net output	11,685	11,383	10,733	..	8,520	4,972	4,750
Wages and salaries of persons employed	4,668	4,473	4,218	..	3,624	..	..
Average number of persons employed (f)	No. 10,289	No. 10,777	No. 10,724	No. ..	No. 9,468	No. 8,367	No. 7,783
Net output per person employed (f)	£ 1,136	£ 1,056	£ 1,001	£ ..	£ 900	£ 594	£ 610
Stocks at end of year	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Products on hand for sale and work in progress	3,304	2,425	2,014	..	2,132	..	..
Materials and fuel	4,447	3,734	2,546	..	2,917	..	..
Number of establishments	No. 178	No. 174	No. 178	No. ..	No. 171	No. ..	No. 169

The values of gross output and of materials and fuel used are derived in the following way:-

	£'000	£'000	£'000	£'000	£'000	£'000	£'000
Output of firms in this trade (g)							
Principal products (h)	44,400	40,219	38,109	..	28,814	12,063	10,938
Other output (i)	3,678						
Changes in stocks and work in progress (j)	+ 915	+ 419	- 323	..	+ 327		
Less payment for transport outwards (e)	48,993	40,638	37,786	..	31,620	13,093	11,857
	..	914	849	..	668		
Gross output (production)	48,993	39,723	36,937	..	30,952	13,093	11,857
Materials and fuel used by firms in this trade							
Purchases	36,763	29,608	25,745	..	22,905	8,101	7,098
Changes in stocks (j)	- 888	- 1,321	+ 432	..	- 516		
Materials and fuel used	35,875	28,287	26,177	..	22,389	8,101	7,098

- (a) For small firms' summary see Table 2.
 (b) Owing to the risk of disclosure of information relating to individual firms in Northern Ireland separate particulars for Great Britain cannot be given.
 (c) Gross output for 1951 includes payments to other firms and undertakings and to firms' own separate transport organisations for transport services. For other years payments for transport services outwards on finished goods sold are excluded.
 (d) Amounts paid for delivery services are excluded for 1951 but included for other years.
 (e) Payments to other firms and undertakings and to firms' own separate transport organisations. For 1951 they cover payments for transport of both goods sold and materials and fuel purchased. For other years payments cover only transport outwards of finished goods sold.
 (f) Including working proprietors. For an estimate of the total number of persons employed in this trade see Table 3.
 (g) Total value of sales (1951, 1950, 1949 and 1948) or production for sale (1937 and 1935).
 (h) For details for 1951 and 1948 see Table 8.
 (i) For details for 1951 and 1948 see Table 10.
 (j) For details for 1951 see Table 21.

Summary
Small firms (a)

TABLE 2

	Great Britain		United Kingdom	Great Britain	
	1951	1950	1949	1949	1948
Number of returns	256	256	261	259	257
Average number of persons employed (b)					
Males	1,181	1,223	1,176	1,163	1,193
Females	206	227	205	202	196
Total	1,387	1,450	1,381	1,365	1,389

(a) Small firms (employing on the average ten or fewer persons) that made satisfactory returns. No information about small firms was collected in Northern Ireland for 1951 or 1950.

(b) Including working proprietors.

Estimated average employment (a)

TABLE 3

	United Kingdom			Great Britain	
	1951	1950	1949	1949	1948
As returned by firms					
Employing on the average more than ten persons (b)	10,289	10,777	10,724	(c)	9,468
Employing on the average ten or fewer persons (d)	1,387 (e)	1,450 (e)	1,381	1,365	1,389
Estimated average employment in firms not making satisfactory returns	11,676	12,227	12,105	(c)	10,857
Estimated average employment in all firms	37	35	48	48	169
Estimated average employment in all firms	11,713 (e)	12,262 (e)	12,153	(c)	11,026

(a) Including working proprietors.

(b) See Tables 13(iv) and 14.

(c) Owing to the risk of disclosure of information relating to individual firms in Northern Ireland separate particulars for Great Britain cannot be given.

(d) See Table 2.

(e) Excluding small firms in Northern Ireland.

Analysis by size, 1951

Larger establishments in the United Kingdom

TABLE 4

Average number employed	Establishments	Gross output	Net output	Persons employed	Remuneration			Net output per person employed
					Operatives	Other employees (a)	Total	
	No.	£'000	£'000	No.	£'000	£'000	£'000	£
11 - 24	67	5,832	1,316	1,196	256	245	501	1,100
25 - 49	63	11,369	2,705	2,217	460	497	958	1,220
50 - 99	27	9,071	2,332	1,921	419	498	917	1,214
100 - 199	11	5,948	1,759	1,543	257	468	725	1,140
200 - 299	5	4,890	1,057	1,203	202	330	533	879
300 - 749	5	11,882	2,515	2,209	442	592	1,034	1,139
Total	178	48,993	11,685	10,289	2,037	2,631	4,668	1,136

(a) Administrative, technical and clerical employees.

Analysis by standard region, 1951

Larger establishments in the United Kingdom

TABLE 5

Region	Estab- lish- ments	Gross output	Net output		Persons employed	Remuneration			Net output per person employed
			Value	Percent- age of total		Operatives	Other employees (a)	Total	
	No.	£'000	£'000		No.	£'000	£'000	£'000	£
England									
Northern	7	850	220	1.9	259	37	82	118	848
East and West Ridings	24	6,193	1,155	9.9	1,422	284	282	566	812
North Midland	7	1,735	449	3.8	417	107	57	164	1,076
Eastern	3	1,386	183	1.6	128	26	11	37	1,431
London and South Eastern	40	16,411	4,326	37.0	3,646	622	1,128	1,750	1,186
Southern; and South Western	10	1,339	447	3.8	475	103	98	202	941
Midland	14	1,894	608	5.2	536	123	145	268	1,134
North Western	54	17,427	3,822	32.7	2,891	621	748	1,369	1,322
Total England	159	47,234	11,209	95.9	9,774	1,923	2,551	4,474	1,147
Wales	5	256	76	0.7	87	19	15	34	875
Scotland	14	1,503	400	3.4	428	95	65	160	934
Great Britain	178	48,993	11,685	100.0	10,289	2,037	2,631	4,668	1,136
Northern Ireland	-	-	-	-	-	-	-	-	-
United Kingdom	178	48,993	11,685	100.0	10,289	2,037	2,631	4,668	1,136

(a) Administrative, technical and clerical employees.

Analysis according to specialisation within the trade, 1951

Larger establishments in the United Kingdom

TABLE 6

	Estab- lish- ments	Gross output	Sales of charac- teristic products	Net output	Persons employed	Remuneration			Net output per person employed
						Operatives	Other employees (a)	Total	
	No.	£'000	£'000	£'000	No.	£'000	£'000	£'000	£
Specialist producers of									
Lubricating oils and greases	108	35,389	33,079	8,833	7,094	1,246	2,163	3,409	1,245
Animal oils and greases	48	6,982	5,624	1,462	1,783	445	231	676	820
Fish liver oil, refined	5	4,163	3,386	626	737	184	87	271	849
Remainder of the trade	17	2,459		763	675	162	150	312	1,104
Total	178	48,993		11,685	10,289	2,037	2,631	4,668	1,136

(a) Administrative, technical and clerical employees.

TABLE 7 - Total make of intermediate products: Larger establishments

This table is not applicable to the trade.

Sales of the principal products of the trade, including sales of these products by establishments classified to other trades

Larger establishments

TABLE 8

	United Kingdom 1951			Great Britain 1948	
	Quantity	Value	Entries	Quantity	Value
Lubricating oils (excluding greases) (a)	Th.galls.	£'000	No.	Th.galls.	£'000
Consisting solely of mineral oils (including white oils)	15,628 Th.tons 246.7	3,197 12,020	86	9,794 Th.tons 239.6	1,800(b) 10,527(b)
Consisting of mineral oils compounded with other oils	Th.galls. 9,693 Th.tons 104.3	2,417 5,400		79	Th.galls. 2,186 Th.tons 85.1	509(b) 4,079(b)
Unclassified	Th.galls. 20,597 Th.tons 77.2	4,781 3,814	27	Th.galls. 370 Th.tons 33.8	82 1,386
Lubricating greases					
Black grease	12.6	290	32	13.3	233(b)
Other	27.6	1,669	64	25.4	1,392(b)
Unclassified	6.3	451	17	0.3	18
Total lubricating oils and greases	Th.galls. 45,918 Th.tons 474.6	10,394 23,643	..	Th.galls. 12,350 Th.tons 397.5	2,391 17,635
Animal (except marine animal) oils, fats and greases					
Tallow	15.1	1,575	100	6.4 ..	448(c) 11
Dripping	26.2	3,448	129	31.3	5,307
Suet and other edible fats not elsewhere specified	6.6	1,273	55		
Other (except lard) (d)					
Unrefined	17.7	1,591	52	14.3	780
Refined	7.2	804	33	3.4	412
Unclassified	2.2 ..	122 18	9	1.3 ..	102 11
Total animal oils, fats and greases (except lard)	75.0 ..	8,812 18	..	56.8 ..	7,048 23
Fish liver oils, refined					
Cod liver oil, medicinal	5.3	1,311	..	14.5	3,317
Other, including veterinary	13.9	2,081	7		
Other oils, mixed or not, including colloidal oils used for lubricating purposes (e)	24.1 ..	1,889 804	50	24.4 ..	2,042 253
Raw bones (including degreased), hollow bones and bone pieces (f)	14.6	270	15	0.9	13
Waste products, including greases	..	185	22	1.3 ..	23 21
Work done for the Ministry of Food on materials owned by the Ministry (g)		105	8		42
Work done for the trade or on commission (g)		64	15		159
Total		49,577	..		32,966
Sales in other trades (see Table 9)		5,178	..		4,152
Principal products of this trade sold by establishments in the trade		44,400	158		28,814

(a) Excluding output of refineries, for which see the Mineral Oil Refining Trade (Volume 2, Trade N).

(b) Corrected figures.

(c) Described as 'Technical tallow, edible tallow and premier jus', of which 5,700 tons (value £369,000) was technical tallow, the remainder being edible tallow and premier jus.

(d) For lard, see the Bacon Curing and Sausage Trade (Volume 8, Trade E).

(e) Excluding mineral oils, fish and marine animal oils other than refined fish liver oils, vegetable and seed oils.

(f) So far as recorded separately.

(g) Amount charged.

Sales of principal products of the trade by establishments
classified to other trades

Larger establishments

TABLE 9

	United Kingdom 1951			Great Britain 1948	
	Quantity	Value	Entries	Quantity	Value
Lubricating oils (excluding greases)	Th.galls.	£'000	No.	Th.galls.	£'000
Consisting solely of mineral oils (including white oils)	393 Th. tons 0.2	83 10	6	375 Th. tons 2.4	75(a) 102(a)
Consisting of mineral oils compounded with other oils	801 Th. tons 1.1	149 42		12	31 Th. tons 3.1	12(a) 118(a)
Unclassified	524 Th. tons 0.1	120 3	12	290 Th. tons 4.2	57 252
Lubricating greases	3.2	157	18	4.3	157
Total lubricating oils and greases	1,718 Th. tons 4.7	352 213	..	697 Th. tons 14.0	144 629
Animal (except marine animal) oils, fats and greases					
Tallow	4.2	389	45	2.6 ..	191 11
Dripping	4.0	492	95	5.9	1,212
Suet and other edible fats not elsewhere specified	3.1	518	48		
Other (except lard)					
Unrefined	10.9	947	34	11.1	591
Refined	3.7	363	9	1.6	159
Unclassified	2.2 ..	122 18	9	1.1 ..	61 11
Total animal oils, fats and greases (except lard)	28.2 ..	2,831 18	..	22.4 ..	2,215 23
Other oils, mixed or not, including colloidal oils used for lubricating purposes	17.1 ..	901 772	26	3.2 ..	1,106(b) 23
Raw bones (including degreased), hollow bones and bone pieces	4.4	72	6	-	-
Waste products, including greaves	-	-	-	..	1
Work done for the Ministry of Food (c)		18	..		12(d)
Total		5,178	..		4,152

(a) Corrected figures.

(b) Including fish liver (other than cod liver) oil, refined.

(c) Amount charged.

(d) Including work done for the trade or on commission other than for the Ministry of Food.

Sales in the trade of other than principal products

Larger establishments

TABLE 10

	United Kingdom 1951		Great Britain 1948	
	Quantity	Value	Quantity	Value
Fish and marine animal oils, fats and greases, other than refined fish liver oils	Th. tons 2.6	£'000 182	Th. tons 1.1	£'000 141
Vegetable and seed oils (other than essential), refined				
Linseed oil, refined and boiled	1.1	209	1.0	176
Other sorts	4.3	721		
Soap for household and industrial purposes	..	84	..	116
Feeding stuffs for animals	19.4	698	15.9	293
Fertilisers, prepared or manufactured	13.6	406	7.9	187
Chemical manufactures	..	337	..	30
Paints and painters' enamels, ready-mixed; varnishes and lacquers, not pigmented	..	142	..	187
Bladders, casings and sausage skins	..	115	..	1,270
Other goods	..	784		
Work done		-		79(a)
Total		3,678		2,480

(a) Amount charged.

TABLE 11 Production, exports and imports of certain principal products (a)

		Production (b)(c)	Exports	Retained imports
		Th. tons	Th. tons	Th. tons
Animal (except marine animal) oils, fats and greases				
Tallow	{ 1951 1948 1937	15.1 6.5(e)(f) 33.4(g)	(d) 0.3(f) 8.8(f)	27.3 62.8(f) 40.6(f)
Other (except lard)				
Unrefined	{ 1951 1948 1937	17.7 14.3 28.9	5.1(h) 1.0 15.1	1.8 0.6 2.9
Refined (including dripping, suet and other edible fats, not elsewhere specified)	{ 1951 1948 1937	40.0 34.7 34.0	2.3(h) - 0.3	4.4 3.0 9.3
Total animal oils, fats and greases (except lard)	{ 1951 1948 1937	75.3(e)(i) 57.0(e)(i) 108.5(i)	7.4 1.2 24.3	33.5 66.4 52.7
Fish liver oils, refined (j)	{ 1951 1948 1937	19.2 14.5 15.4(k)	3.9 3.4 6.8(l)	2.9 1.2 1.2(l)

(a) Figures of production (or sales) refer only to larger establishments in the United Kingdom (1951 and 1937) or Great Britain (1948). All recorded exports from and imports into the United Kingdom are given in the Table. The figures, therefore, are not strictly comparable.

(b) Sales in 1951 and 1948, and production for sale in 1937.

(c) Including production (or sales) by establishments classified to other trades.

(d) Not recorded separately.

(e) Partly estimated.

(f) Recorded as 'Technical tallow, edible tallow and premier jus'.

(g) Recorded as 'Premier jus, refined tallow, oleo margarine and oleo oil'.

(h) Including tallow.

(i) Including 2,500 tons (partly estimated) in 1951, 1,500 tons in 1948 and 12,000 tons in 1937 of unclassified animal oils, fats and greases (except lard).

(j) The overseas trade figures relate to both refined and unrefined oil.

(k) Described as 'Cod and cod liver oil'.

(l) Cod liver oil only.

TABLE 12 - Usage of certain specified purchased materials, 1951

Larger establishments in the United Kingdom

No information of usage of materials was required from the trade.

TABLE 13

Employment in September
Larger establishments (a)

	Number						
	United Kingdom			Great Britain		United Kingdom	
	1951(b)	1950(b)	1949(b)	1949(c)	1948(d)	1937(d)	1935(d)
Males							
Under 18	169	135	132	..	125	341	283
All ages	4,916	5,245	5,000	..	4,248	4,254	4,005
Females							
Under 18	56	47	42	..	42	133	99
All ages	1,120	1,266	1,158	..	1,058	538	513
Total							
Under 18	225	182	174	..	167	474	382
All ages	6,036	6,511	6,158	..	5,306	4,792	4,518

(ii) Administrative, technical and clerical employees (e)

	Number						
	United Kingdom			Great Britain		United Kingdom	
	1951	1950	1949	1949(c)	1948	1937	1935
Males							
Under 18	92	88	93	..	92	213	144
All ages	3,047	3,045	3,099	..	2,789	2,656	2,469
Females							
Under 18	275	279	241	..	210	166	89
All ages	1,496	1,516	1,497	..	1,357	919	796
Total							
Under 18	367	367	334	..	302	379	233
All ages	4,543(f)	4,561(f)	4,596(f)	..	4,146(f)	3,575	3,265

(iii) Total employees

	Number						
	United Kingdom			Great Britain		United Kingdom	
	1951	1950	1949	1949(c)	1948	1937	1935
Males							
Under 18	261	223	225	..	217	554	427
All ages	7,963	8,290	8,099	..	7,037	6,910	6,474
Females							
Under 18	331	326	283	..	252	299	188
All ages	2,616	2,782	2,655	..	2,415	1,457	1,309
Total							
Under 18	592	549	508	..	469	853	615
All ages	10,579(f)	11,072(f)	10,754(f)	..	9,452(f)	8,367	7,783

(a) Excluded employees. The following persons were employed at the larger establishments in this trade in 1951 but are not included in the above tables or in any other Census of Production report (e.g., employees engaged in merchanting):-

Canteen workers 5 Males 114 Females
Other workers 1,036 Males 156 Females

(b) In week ended September 22, 1951, September 30, 1950, and September 24, 1949.

(c) Owing to the risk of disclosure of information relating to individual firms in Northern Ireland separate particulars for Great Britain cannot be given.

(d) Average for the year.

(e) In week ended September 22, 1951, September 30, 1950, September 24, 1949, September 25, 1948, October 16, 1937, and October 12, 1935.

(f) Working proprietors. In addition working proprietors, shown in Table 13(iv) below, were engaged in this trade in larger establishments. The 1937 and 1935 figures include working proprietors.

(iv) Working proprietors

	Number				
	United Kingdom			Great Britain	
	1951	1950	1949	1949	1948
Males	12	17	18	..	14
Females	-	1	2	..	2
Total	12	18	20	..	16

Average employment
Larger establishments (a)

TABLE 14

	Number						
	United Kingdom			Great Britain		United Kingdom	
	1951	1950	1949	1949(b)	1948	1937	1935
Operatives	5,850	6,254	6,127	..	5,306	4,792	4,518
Administrative, technical and clerical employees	4,427	4,505	4,577	..	4,146(c)	3,575(c)	3,265(c)
Total	10,277	10,759	10,704	..	9,452	8,367	7,783

(a) For employment in small firms (employing on the average ten or fewer persons) that made satisfactory returns see Table 2.

(b) Owing to the risk of disclosure of information relating to individual firms in Northern Ireland separate particulars for Great Britain cannot be given.

(c) In week ended September 25, 1948, October 16, 1937, and October 12, 1935. The 1937 and 1935 figures include working proprietors.

Outworkers. No outworkers were recorded in this trade.

Shift working, 1951 (a)

Larger establishments in Great Britain

TABLE 15

	Total number of man-shifts worked in the week	Total number of shift-hours worked in the week	Number of returns showing the systems stated
Continuous 3 shift systems per 24 hours averaging 8 hours per shift	1,520	12,160	9
Continuous 4 shift systems per 24 hours averaging 6 hours per shift	-	-	-
All 2 shift systems	752	8,970	4
Other shift systems	-	-	-
Total	2,272	21,130	(b)

(a) Shift working during week ended September 22, 1951.

(b) The number and percentage of returns showing shift working and of operatives on shift-work were as follows:-

	Returns		Operatives		
	Total in trade	Showing shift-work	Total in trade	Total on returns showing shift-work	Number employed on shift-work
Number	158	13	6,036	1,203	409
Percentage of total in trade	100.0	8.2	100.0	19.9	6.8
Percentage of total on returns showing shift-work				100.0	34.0

Wages and salaries and employers' National Insurance
contributions paid during the year

Larger establishments

	United Kingdom				Great Britain	
	1951	1950	1949	1949(a)	1948	
	Wages and salaries (b) of					
Operatives	2,037	2,000	1,833	..	1,526	
Administrative, technical and clerical employees	2,631	2,473	2,385	..	2,098	
Total	4,668	4,473	4,218	..	3,624	
Employers' contributions to all National Insurance Schemes	106	107	108	..	78	

(a) Owing to the risk of disclosure of information relating to individual firms in Northern Ireland separate particulars for Great Britain cannot be given.

(b) Including bonus and commission payments.

Plant, machinery and vehicles - acquisitions and disposals,
and capital expenditure on new building work

Larger establishments

	United Kingdom		Great Britain	
	1951	1949	1949(a)	1948
Plant, machinery and vehicles				
Acquisitions				
Plant and machinery				
New	1,019	372	..	242
Second-hand	26	24	..	25
Vehicles				
New	311	214	..	166
Second-hand	72	38	..	32
Total acquisitions	1,429	649	..	465
Disposals				
Plant and machinery	12	30	..	6
Vehicles	72	42	..	50
Total disposals	84	72	..	56
New building work				
Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges)	610	320	..	154

(a) Owing to the risk of disclosure of information relating to individual firms in Northern Ireland separate particulars for Great Britain cannot be given.

Note - There were no larger establishments in Northern Ireland in the register for this trade.

Summary
Larger establishments

	England	Wales	Scotland	Great Britain
	£'000	£'000	£'000	£'000
Gross output (production)	47,234	256	1,503	48,993
Cost of materials and fuel used	34,637	174	1,063	35,875
Payment for work done on materials given out	127	-	-	127
Transport payments	1,261	6	40	1,307
Net output	11,209	76	400	11,685
Wages and salaries of persons employed	4,474	34	160	4,668
Average number of persons employed (a)	No. 9,774	No. 87	No. 428	No. 10,289
Net output per person employed (a)	£ 1,147	£ 875	£ 934	£ 1,136
Stocks at end of year	£'000	£'000	£'000	£'000
Products on hand for sale and work in progress	3,184	13	108	3,304
Materials and fuel	4,362	28	57	4,447
Number of establishments	No. 159	No. 5	No. 14	No. 178

The values of gross output and of materials and fuel used are derived in the following way:-

	£'000	£'000	£'000	£'000
Output of firms in this trade				
Total value of sales (see Table 20)	46,336	256	1,485	48,078
Changes in stocks and work in progress (see Table 21)	+ 898	-	+ 17	+ 915
Gross output (production)	47,234	256	1,503	48,993
Materials and fuel used by firms in this trade				
Purchases	35,492	186	1,085	36,763
Changes in stocks (see Table 21)	- 855	- 12	- 21	- 888
Materials and fuel used	34,637	174	1,063	35,875

(a) Including working proprietors.

Summary

Small firms in Great Britain (a)

TABLE 19

	England	Wales	Scotland	Great Britain
Number of returns	218	11	27	256
Average number of persons employed (b)				
Males	1,002	49	130	1,181
Females	170	4	32	206
Total	1,172	53	162	1,387

(a) Small firms in Great Britain (employing on the average ten or fewer persons) that made satisfactory returns.
(b) Including working proprietors.

Sales in the trade
Larger establishments

TABLE 20

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
Principal products	Th. galls.	£'000	Th. galls.	£'000	Th. galls.	£'000
Lubricating oils (excluding greases)						
Consisting solely of mineral oils (including white oil)	14,962 Th. tons 238.9	3,047 11,634	272 Th. tons 7.5	67 376	15,235 Th. tons 246.4	3,114 12,010
Consisting of mineral oils compounded with other oils	8,824 Th. galls. Th. tons 102.0	2,251 5,315	68 Th. galls. Th. tons 1.1	17 42	8,892 Th. galls. Th. tons 103.1	2,267 5,357
Unclassified	20,073 Th. galls. Th. tons 77.1	4,661 3,810	-	-	20,073 Th. galls. Th. tons 77.1	4,661 3,810
Lubricating greases	..	(a)	..	(a)	43.3	2,253
Total lubricating oils and greases	..	(a)	..	(a)	Th. galls. 44,201 Th. tons 469.9	10,042 23,430
Animal (except marine animal) oils, fats and greases	Th. tons		Th. tons		Th. tons	
Tallow	10.1	1,095	0.9	91	10.9	1,186
Dripping	19.4	2,554	2.8	402	22.2	2,956
Suet and other edible fats not elsewhere specified	..	(a)	..	(a)	3.5	755
Other (except lard)						
Unrefined	5.9	549	0.9	95	6.8	644
Refined	..	(a)	..	(a)	3.4	441
Total animal oils, fats and greases (except lard)	42.0	5,356	4.9	625	46.8	5,981
Fish liver oils, refined	5.3	1,311	-	-	5.3	1,311
Cod liver oil, medicinal	..	(a)	..	(a)	13.9	2,081
Other, including veterinary						

TABLE 20 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
Principal products (contd.)	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Other oils, mixed or not, including colloidal oils used for lubricating purposes (b)	..	(a)	..	(a)	7.0 ..	988 32
Raw bones (including degreased), hollow bones and bone pieces (c)	..	(a)	..	(a)	10.2	198
Waste products, including greaves	..	(a)	..	(a)	..	185
Work done for the Ministry of Food on materials owned by the Ministry (d)		(a)		(a)		87
Work done for the trade or on commission (d)		(a)		(a)		64
Total principal products		43,142		1,258		44,400
Other output						
Fish and marine animal oils, fats and greases, other than refined fish liver oils	..	(a)	..	(a)	2.6	182
Vegetable and seed oils (other than essential), refined						
Linseed oil, refined and boiled	1.1	202	-	7	1.1	209
Other sorts	..	(a)	..	(a)	4.3	721
Soap for household and industrial purposes	..	84	-	-	..	84
Feeding stuffs for animals	16.7	594	2.6	105	19.4	698
Fertilisers, prepared or manufactured	12.4	373	1.2	33	13.6	406
Chemical manufactures	..	337	-	-	..	337
Paints and painters' enamels, ready-mixed; varnishes and lacquers, not pigmented	..	142	-	-	..	142
Bladders, casings and sausage skins	..	115	-	-	..	115
Other goods	..	706	..	77	..	784
Total		46,593		1,485		48,078

(a) Owing to the risk of disclosure of information relating to individual firms separate particulars cannot be given.
(b) Excluding mineral oils, fish and marine animal oils other than refined fish liver oils, vegetable and seed oils.
(c) So far as recorded separately.
(d) Amount charged.

Stocks of products on hand for sale and work in progress,
and stocks of materials and fuel
Larger establishments

TABLE 21

		£'000		
		England and Wales	Scotland	Great Britain
Products on hand for sale	{ at beginning of year	1,973	89	2,062
	{ at end of year	2,649	106	2,755
Work in progress	{ at beginning of year	325	1	327
	{ at end of year	548	1	549
Total products on hand for sale and work in progress	{ at beginning of year	2,299	91	2,389
	{ at end of year	3,197	108	3,304
Materials and fuel	{ at beginning of year	3,524	35	3,559
	{ at end of year	4,390	57	4,447

Employment in September

Larger establishments (a)(b)

TABLE 22
(i) Operatives

	Number		
	England and Wales	Scotland	Great Britain
Males			
Under 18	155	14	169
All ages	4,664	252	4,916
Females			
Under 18	56	-	56
All ages	1,068	52	1,120
Total			
Under 18	211	14	225
All ages	5,732	304	6,036

(ii) Administrative, technical and clerical employees

	Number		
	England and Wales	Scotland	Great Britain
Males			
Under 18	88	4	92
All ages	2,955	92	3,047
Females			
Under 18	263	12	275
All ages	1,444	52	1,496
Total			
Under 18	351	16	367
All ages (c)	4,399	144	4,543

(iii) Total employees

	Number		
	England and Wales	Scotland	Great Britain
Males			
Under 18	243	18	261
All ages	7,619	344	7,963
Females			
Under 18	319	12	331
All ages	2,512	104	2,616
Total			
Under 18	562	30	592
All ages (c)	10,131	448	10,579

(a) Excluded employees. The number of persons employed at the larger establishments in this trade but not included in the above tables or in any other Census of Production report (e.g., employees engaged in merchanting) are shown in Table 22(v) below.

(b) Number employed in the week ended September 22, 1951.

(c) Working proprietors. In addition working proprietors, shown in Table 22(iv) below, were engaged in this trade in larger establishments.

(iv) Working proprietors

	Number		
	England and Wales	Scotland	Great Britain
Males	9	3	12
Females	-	-	-
Total	9	3	12

(v) Excluded employees

	Number		
	England and Wales	Scotland	Great Britain
Canteen workers			
Males	5	-	5
Females	114	-	114
Total	119	-	119
Other workers			
Males	1,025	11	1,036
Females	150	6	156
Total	1,175	17	1,192
Total excluded employees	1,294	17	1,311

Average employment
Larger establishments (a)

	Number		
	England and Wales	Scotland	Great Britain
Operatives	5,569	281	5,850
Administrative, technical and clerical employees	4,283	144	4,427
Total	9,852	425	10,277

(a) For employment in small firms in Great Britain (employing on the average ten or fewer persons) that made satisfactory returns see Table 19.

Outworkers. No outworkers were recorded in this trade.

Wages and salaries and employers' National Insurance contributions paid during the year

Larger establishments

	£'000		
	England and Wales	Scotland	Great Britain
Wages and salaries (a) of			
Operatives	1,942	95	2,037
Administrative, technical and clerical employees	2,566	65	2,631
Total	4,508	160	4,668
Employers' contributions to all National Insurance Schemes	102	4	106

(a) Including bonus and commission payments.

Plant, machinery and vehicles - acquisitions and disposals,
and capital expenditure on new building work

Larger establishments

	£'000		
	England and Wales	Scotland	Great Britain
Plant, machinery and vehicles			
Acquisitions			
Plant and machinery			
New	974	44	1,019
Second-hand	26	1	26
Vehicles			
New	290	21	311
Second-hand	68	4	72
Total acquisitions	1,359	70	1,429
Disposals			
Plant and machinery	12	-	12
Vehicles	68	4	72
Total disposals	79	4	84
New building work			
Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges)	602	9	610

Payments for transport services for finished goods
sold and materials and fuel purchased

Larger establishments

	England and Wales	Scotland	Great Britain
Amounts paid to other firms and undertakings	1,149	26	1,175
Amount paid or credited to firms' own separate transport organisations	118	14	132
Total	1,267	40	1,307

£'000

GENERAL NOTES

The following brief notes refer to Great Britain and, unless otherwise stated, to the census of production for 1951. Reference should be made to the separate booklet in this series entitled 'The Report on the Census of Production for 1951: Introductory Notes' (price 1s.6d. net) for particulars of the minor differences in the Northern Ireland censuses and other details about the census of production.

Trade classification: Establishments are classified to trades according to the nature of their output. Certain products, called principal products, are identified as characteristic of the production of individual trades, the principal products for a given trade being of a similar nature or commonly associated in production. An establishment is classified to a trade if its output of principal products of that trade accounted for a greater proportion of the value of its output than did its output of principal products of any other trade.

The establishment: The basic unit for the collection of information is generally the establishment which in most cases comprises the whole of the premises under the same ownership or management at a particular address (e.g., a factory). Offices, warehouses and other ancillary places of business situated apart from the producing works are included in the return for the works.

Larger establishments and small firms: Larger establishments are those which employed more than 10 persons on the average during the year; small firms are those employing on the average 10 or fewer persons.

Working proprietors are proprietors of businesses other than limited companies, and include members of their families who work in the business without receiving fixed wages or salaries. Any persons working less than half the normal hours are excluded.

Persons employed: Administrative employees include directors other than those paid by fee only, managers, superintendents and works foremen; research, experimental, development, technical and design employees (other than operatives); draughtsmen and tracers; and travellers and office (including works office) employees. Operatives include all other classes of employees, that is, broadly speaking, all manual workers.

All these figures exclude canteen employees and persons engaged in merchanting or any other activity not covered by a firm's return who are shown separately as excluded employees.

Figures for employees include only persons on the pay-roll (that is whose National Insurance cards were held by the firm), whether full-time or part-time employees.

Outworkers, who are shown separately, are persons employed by the firm who work on materials supplied by the firm, but do not work on the premises; operatives directly employed who work out of doors (e.g., maintenance workers) and sub-contractors are not included as outworkers.

Wages and salaries include all overtime payments, bonuses, and commissions, without any deduction for income tax, insurance, contributory pensions, etc. They exclude payments to working proprietors.

Capital expenditure: Expenditure on plant, machinery and vehicles relates to expenditure charged to capital account during the year of return, including transport and installation costs involved. Expenditure on new building work is similarly that charged to capital account during the year.

Materials and fuel: The cost of materials and fuel purchased includes all purchases during the year of materials for use in production and of fuel (including oil, gas, and electricity for all purposes, including heating and lighting); all packing materials, including the full cost of returnable containers when first purchased; workshop materials; office materials; water charges; materials for repairs to firms' own buildings, plant and vehicles when carried out by

their own work people included in the return; and consumable tools and parts for machinery purchased as replacement. Materials, components, etc. which were purchased and re-sold in the same state (that is, merchantable or factored goods) were excluded. For 1951 firms in many trades were required to state the quantities of certain purchased materials used.

Stocks and work in progress: Firms were instructed to give these at income tax value.

Output: Sales means sales during the year of goods made in the establishment covered by the return or made on commission for it, whether produced in the year or not. For all post-war censuses the value of sales was the net selling value, that is, the amount charged to customers, whether on an ex-works or delivered basis, and net of any trade discounts, agents' commissions, allowances for returnable cases, purchase tax, etc. For goods charged on a delivered basis to customers overseas, firms were required to give the f.o.b. value.

Gross output of a trade is the total value of goods made and other work done during the year; this means the value of sales and work done during the year adjusted for changes in the values of stocks.

Net output is the amount left after deducting from the value of gross output the aggregate of the cost of materials and fuel used and the amount paid for work given out and, for 1951, any transport payments included in firms' returns. This represents the value added to materials by the process of production, and constitutes the fund from which wages, salaries, rents, rates and taxes, advertising and other selling expenses and all other similar charges have to be met as well as depreciation and profits.

Customs and Excise Duty paid on materials purchased is included in the cost of materials, but where it is especially important separate figures are shown.

Later reports: Reports will be published later summarising the main census results and giving information about power equipment and fuel consumption.

Disclosure of information: The report has been prepared in conformity with the disclosure provisions of the Statistics of Trade Act, 1947. Figures have been combined with others of a similar nature in certain cases where publication of separate details might disclose the operations of an individual firm.

Symbols used: '.' for 'Not available', '-' for 'Nil or negligible (less than half the final digit shown)'

The figures in the tables have been rounded off to the nearest final digit, and there may be an apparent slight discrepancy between the sums of the constituent items and the totals shown.

Tables 1 to 17 show figures for the United Kingdom (or Great Britain).

Tables 18 to 26 are country tables and give, where practicable, separate details for England and Wales, Scotland and Northern Ireland.

Table 6: Specialist producers refer to those establishments 50 per cent. or more of whose total output by value is accounted for by the groups of products specified.

Table 8 (or 8(i)) shows the total sales of principal products of the trade, and includes therefore the sales of these products returned by establishments whether classified to the trade or to other trades. Those produced by establishments in other trades are shown in Table 9.

Table 10 shows the sales by establishments in the trade of products other than those regarded as principal products of the trade.

Table 20 (or 20(i)) shows sales by establishments in the trade of products, whether principal products or not, and broadly the aggregates here are equal to the corresponding figures in Table 8 (or 8(i)) less those in Table 9, plus those in Table 10.

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