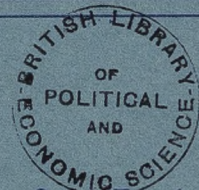


BOARD OF TRADE

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[HA 251]

*The Report on the
Census of Production
for 1954*



Volume 2: Industry F

DRUGS AND PHARMACEUTICAL PREPARATIONS

*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)*

LONDON: HER MAJESTY'S STATIONERY OFFICE

1958

PRICE 1s 9d NET

The Report on the Census of Production for 1954

VOLUME 2 INDUSTRY F

DRUGS AND PHARMACEUTICAL PREPARATIONS

THIS REPORT on the Drugs and Pharmaceutical Preparations Industry relates to establishments engaged wholly or mainly in the manufacture of drugs, pharmaceutical chemicals, patent medicines, pills, plasters, ointments, embrocations, health salts, medicated wines, malt extracts and similar products.

Certain firms have included in their returns particulars relating to drugs, etc. purchased for resale and packed by them in conjunction with their productive activities.

This industry corresponds to minimum list heading 32(1) in the Standard Industrial Classification together with drugs and pharmaceutical chemicals from heading 31(4).

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IMPORTANT NOTES and definitions appear on the next page. In interpreting the data in the tables, it is essential to bear these in mind.

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The following notes describe terms in general use in the tables of the report. More detailed explanations of the terms used and a description of the scope and method of taking the census are given in the separate booklet entitled 'The Report on the Census of Production for 1954 - Introductory Notes' (price 1s. 6d. net).

Industrial Classification: Establishments are classified to industries according to the nature of their output and, as far as possible, in conformity with the Standard Industrial Classification. Certain products are identified as the principal products of individual industries, the principal products for a given industry being of a similar nature or commonly associated in production. The principle of classification normally followed is that an establishment is classified to an industry if its output of the principal products of that industry accounted for a greater proportion of the value of its output than did its output of the principal products of any other industry.

Specialist producers normally comprise those establishments 50 per cent. or more of whose total output by value is accounted for by the characteristic products of the specialist group.

Intermediate products: For some industries figures are given showing the total quantities made during the year of intermediate products, i.e., products which may be further processed in the establishments in which they are produced.

Larger establishments: The information given in the report relates mainly to 'larger establishments', i.e., establishments of firms employing on the average more than 10 persons. In most cases an establishment comprises the whole of the premises under the same ownership or management at a particular address (e.g., a mine or factory). Offices, warehouses, laboratories and other ancillary places of business situated apart from the producing works are not regarded as separate establishments and are included in the return for the works.

Small firms are those employing on the average 10 or fewer persons.

The estimates for the industry as a whole given in Table 1 are normally obtained by increasing the other items shown in the same proportion as total employment.

Gross output (production) is the total value of goods made and other work done during the year; it is obtained by adjusting the value of sales and work done during the year for changes in the value of stocks of products on hand for sale and work in progress.

Net output is the amount left after deducting from the value of gross output the aggregate of the cost of materials and fuel used, the amount paid for work given out, and, for 1951 and 1954, any transport payments made. 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.

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. The value of sales is the net selling value, i.e., 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.

Materials and fuel: The total cost of materials and fuel purchased includes all purchases during the year of materials for use in production, and of fuel (includ-

ing oil, gas and electricity) for all purposes: packing materials, including the full cost of returnable cases when first purchased; workshop and office materials; water charges; materials for repairs to buildings, plant and vehicles when carried out by firms' own work-people included in their returns; consumable tools; and parts for machinery purchased as replacements. Purchases of goods for merchanting are excluded. The cost of materials and fuel used, given in Table 2, is obtained by adjusting purchases for changes during the year in the value of stocks.

Stocks: Firms were required to give stocks of materials and fuel, products on hand for sale, and work in progress, at income tax values.

Customs and Excise Duty paid on materials purchased is normally included in the cost of materials. Finished goods are similarly valued as they were sold, duty-paid or duty-free. The net amount of any duty paid is deducted in arriving at net output.

Employment: Total employment includes working proprietors, administrative, technical and clerical employees, and operatives, but excludes outworkers, 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. Employees are persons on the pay-roll (i.e., persons whose National Insurance cards were held by employers), whether employed full-time or part-time.

Working proprietors are proprietors of businesses other than limited companies, together with members of their families who worked in the business without receiving fixed wages or salaries. Any persons working less than half the normal hours are excluded. For Northern Ireland directors of limited companies (other than those paid by fee only) are also included.

Administrative, technical and clerical employees include directors, other than those paid by fee only (except in Northern Ireland); managers, superintendents and works foremen; research, experimental, development, technical and design employees (other than operatives); draughtsmen and tracers; travellers; and office (including works office) employees.

Operatives include all other classes of employees, i.e., broadly speaking, all manual workers.

Outworkers are persons employed by the firm who work on materials supplied by the firm in their own homes.

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

Capital expenditure includes expenditure on new building work, and on plant, machinery and vehicles, charged to capital account during the year, including any transport and installation costs involved. It includes expenditure in respect of establishments in Great Britain which had not begun production before the end of the year (which has not previously been included in the Census of Production reports for individual industries).

Symbols used:

.. for not available

- for nil or negligible (less than half the final digit shown).

Where figures are rounded, e.g., given to the nearest £ thousand, there may be apparent slight discrepancies between the sums of constituent items and the totals shown. In some cases, figures have been combined with others of a similar nature where publication of separate details might disclose information relating to an individual undertaking.

TABLE 1

Industry summary: Estimates for the industry as a whole

	United Kingdom			Scotland 1954	Wales 1954
	1948	1951	1954		
Gross output (production)	£ million	£ million	£ million	£ million	£ million
Net output	36.8	50.7	62.6	2.45	1.88
Total stocks and work in progress					
At beginning of year	20.7	23.5	25.7	1.42	0.86
Change during year	- 0.2	+ 9.2	+ 3.9	+ 0.22	+ 0.44
Capital expenditure less disposals (a)	3.4	4.8	3.7	0.11	0.10
Wages and salaries	13.7	17.8	20.8	0.86	0.30
Total employment (including working proprietors)	Thousands	Thousands	Thousands	Thousands	Thousands
	48.7	51.8	49.5	2.19	0.77

(a) Capital expenditure on new building work, plant, machinery and vehicles (including (except in 1948) that in Great Britain for establishments not yet in production), less amounts received for plant, machinery and vehicles disposed of.

Summary of returns received

TABLE 2

	Unit	Great Britain	United Kingdom	
		1948	1951	1954
FIRMS EMPLOYING ON AVERAGE MORE THAN 10 PERSONS				
Number of establishments	No.	299	286	261
Total value of sales and work done	£'000	73,730	107,412	114,880
Products on hand for sale	"	9,828	11,368	13,524
and work in progress	"	- 30	+ 3,923	+ 2,551
Gross output (production) (a)	"	72,996	111,335	117,431
Purchases of materials and fuel (b)	"	34,028	62,893	54,514
Stocks of materials and fuel	"	10,224	11,574	11,571
Cost of materials and fuel used	"	- 130	+ 5,103	+ 1,214
Excise duty on saccharin	"	34,157	57,790	53,300
Payment for work done on materials given out	"	2,642	2,236	1,283
Payment for transport (c)	"	565	530	558
Net output	"	704	1,183	1,298
Average number of employees	No.	35,631	49,596	60,992
Total employment (e)	"	33,104	35,233	32,131
Net output per person employed (e)	£	14,072 (d)	15,453	16,166
Wages and salaries	£'000	47,188	50,697	48,305
Capital expenditure	"	755	978	1,263
New building work (f)	"	7,435	9,670	10,800
Plant and machinery	"	5,819	7,758	9,477
Vehicles	"	1,095	1,418	1,138
Plant and machinery	"	2,085	2,764	2,235
disposals	"	69	105	145
Vehicles	"	186	412	524
disposals	"	36	87	155
FIRMS EMPLOYING ON AVERAGE 10 OR FEWER PERSONS				
Number of returns	No.	186	181 (g)	181
Total employment, including working proprietors	"	1,014	988 (g)	979

(a) For the year 1948 gross output excludes payments for transport services outwards on finished goods sold. For subsequent years gross output includes payments to other firms and undertakings and to firms' own separate transport organisations for transport services.

(b) Excluding Customs and Excise rebates and drawbacks in respect of any materials on which duty was paid. The rebates and drawbacks receivable in respect of alcohol amounted to £5,145,000 in 1948, £8,129,000 in 1951 and £6,773,000 in 1954.

(c) Payments to other firms and undertakings and to firms' own separate transport organisations. For the year 1948 payments cover only transport outwards of finished goods sold. For subsequent years they cover payments for transport of both finished goods sold and materials and fuel purchased.

(d) Number in week ended September 25, 1948.

(e) Excluding outworkers and including working proprietors.

(f) Excluding expenditure for establishments not yet in production.

(g) Excluding Northern Ireland. No information about small firms was collected in Northern Ireland for 1951.

DRUGS AND PHARMACEUTICAL PREPARATIONS
Analysis by size, 1954
Larger establishments in the United Kingdom

TABLE 3

Average number employed (a)	Estab-lish-ments	Gross output	Net output	Employees		Wages and salaries		Capital expenditure (b)	Net output per person employed (a)
				Operatives	Others	Operatives	Others		
	Number	£'000	£'000	Number	Number	£'000	£'000	£'000	£
11 - 24(c)	53	2,006	1,034	597	253	175	142	64	1,215
25 - 49	53	4,423	2,012	1,381	556	409	319	110	1,037
50 - 99	49	7,247	3,655	2,377	1,118	720	709	291	1,045
100 - 199	51	16,010	7,702	4,881	2,090	1,481	1,288	684	1,105
200 - 299	18	9,477	4,398	2,997	1,308	965	794	256	1,022
300 - 399	11	10,935	5,783	2,158	1,617	654	852	343	1,532
400 - 499	6	8,214	4,400	1,704	949	571	580	217	1,658
500 - 749	8	12,800	7,294	3,121	1,474	1,043	869	320	1,587
750 - 999	4	8,562	4,338	2,582	1,008	840	519	335	1,208
1,000 - 1,499	4	13,695	8,156	3,306	1,628	1,373	971	531	1,653
1,500 and over	4	24,061	12,220	7,027	4,165	2,569	2,435	749	1,092
Total	261	117,431	60,992	32,131	16,166	10,800	9,477	3,898	1,263

- (a) Excluding outworkers and including working proprietors.
(b) Capital expenditure on new building work and on acquisition of plant, machinery and vehicles, excluding expenditure for establishments not yet in production.
(c) Including a small number of establishments with fewer than 11 persons employed, particulars of which were included with those for larger establishments on a single return.

Analysis according to specialisation within the industry, 1954
Larger establishments in the United Kingdom

TABLE 4

	Unit	Specialist producers of		Remainder of the industry (a)	Total
		Pharmaceutical chemicals	Pharmaceutical preparations		
Number of establishments	No.	22	208	31	261
Total value of sales and work done	£'000	16,763	78,203	19,914	114,880
Sales of characteristic products	..	11,837	63,732	..	..
Products on hand for sale	..	2,149	8,647	2,728	13,524
and work in progress	..	+ 494	+1,888	+ 168	+ 2,551
Gross output (production)	..	17,257	80,091	20,083	117,431
Purchases of materials and fuel (b)	..	7,478	36,989	10,048	54,514
Stocks of materials and fuel	..	1,297	7,992	2,283	11,571
Cost of materials and fuel used	..	- 39	+ 940	+ 313	+ 1,214
Excise duty on saccharin	..	7,517	36,049	9,735	53,300
Payment for work done on materials given out	1,283
Payment for transport	558
Net output	259(c)	1,462(c)	1,298
Average number of employees	No.	9,482	42,624	8,886	60,992
Total employment (d)	..	4,393	20,626	7,112	32,131
Net output per person employed (d)	..	2,574	10,748	2,844	16,166
Wages and salaries	£	6,967	31,382	9,956	48,305
Capital expenditure	..	1,361	1,358	893	1,263
New building work (e)
Plant and machinery
Vehicles

- (a) Including establishments whose sales of pharmaceutical chemicals and preparations together accounted for 50 per cent. or more of the total value of sales, neither the chemicals nor the preparations taken separately accounting for as much as 50 per cent. of the total. Owing to the risk of disclosure of information relating to individual firms, separate figures for these establishments cannot be given.
(b) Excluding Customs and Excise rebates and drawbacks in respect of any materials on which duty was paid. The rebate and drawback receivable in respect of alcohol amounted to £6,773,000 of which £200,000 is appropriate to specialist producers of pharmaceutical chemicals, £5,318,000 to specialist producers of pharmaceutical preparations and £1,256,000 to the remainder of the industry.
(c) Owing to the risk of disclosure of information relating to individual firms separate figures cannot be given.
(d) Excluding outworkers and including working proprietors.
(e) Capital expenditure at establishments not yet in production is excluded.

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Sales of the principal products of the industry, including sales of these products by establishments classified to other industries
Larger establishments in the United Kingdom

TABLE 5

	1951		1954		Entries
	Quantity	Value	Quantity	Value	
Pharmaceutical chemicals	Th.lb.	£'000	Th.lb.	£'000	Number
Acetylsalicylic acid (aspirin), other than tablets	4,798.6	959	5,504.6	1,056	7
Alkaloids					
Caffeine and theobromine	793.1	1,164	641.8	502	6
Morphine, codeine, ethyl morphine and other derivatives of morphine	112.4	2,115	45.1	1,231	5
Other	..	..	18.7	389	8
Barbituric acid, its derivatives and their salts	146.9	319	286.5	468	6
Antibiotics	Th.mega units	..	Th.mega units	..	..
Penicillin, its salts and derivatives	42,230.7	6,792	75,185.7	4,656	5
Other	..	(a)	..	604	..
Procaine hydrochloride, benzocaine and like local anaesthetics	Th.lb.	..	Th.lb.	..	..
Quinine and quinine salts	70.1	324	97.4	197	7
Salicylates not elsewhere specified	2,165.9	343	1,265.8	223	18
Sex hormones and preparations (natural or synthetic) having analogous physiological activity	..	684	..	899	..
Sulphonamides, other than tablets	2,241.4	1,260	755.5	731	7
Vitamins, not including substances containing vitamins	..	1,179	..	862	9
Other pharmaceutical chemicals not elsewhere specified	..	9,308	..	186	..
Unclassified pharmaceutical chemicals	..	1,984	..	2,669	10
Saccharin, including substances of a like nature or use (other than saccharin tablets)	Th.oz.	..	Th.oz.	..	..
Pharmaceutical preparations	Th.cwt.	..	Th.cwt.	..	..
Malt extract	165.4	904	261.4	1,373	21
Cod liver oil and malt; and halibut liver oil and malt, so far as recorded separately	..	727	..	187	..
Medicated wines	83.9	664	50.2	492	19
Medicinal oils not included elsewhere	..	4	..	..	..
Medicinal patent and proprietary foods and food drinks, including infants' and invalid foods, not elsewhere specified	Th.gal.	..	Th.gal.	..	..
Corticotrophin and cortisone salts derivatives	180.0	439	169.0	376	12
Antihistaminics	Th.cwt.	..	Th.cwt.	..	..
Antipaludics (other than quinine and salts)	8.0	237	61.8	728	21
	..	302	..	312	..
	..	(a)	15.6	777	16
	..	(a)	..	317	..
	..	(a)	..	262	7
	..	(a)	..	592	7
	..	(a)	Th.lb.	42.8	315
	..	(a)	..	87	..

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DRUGS AND PHARMACEUTICAL PREPARATIONS

TABLE 5 (contd.)

	1951		1954		Entries Number
	Quantity Th.cwt.	Value £'000	Quantity Th.cwt.	Value £'000	
Pharmaceutical preparations (contd.)					
Ointments and liniments (other than those specifically for animals)					
Containing antibiotics	2.7	228 (c)	4.3	324	31
Other	74.2	2,662	62.4	2,728	109
	..	320	..	862	
Tablets not elsewhere specified	Mn. tablets		Mn. tablets		
Acetylsalicylic acid (aspirin)	2,738	2,477	2,916	2,087	76
Aspirin compounds	1,329	1,996	1,841	4,124	78
	..	318	..	581	
Antihistamines	..	(a)	44	214	7
Sulphonamides	651	2,122	215	621	45
Barbiturates	621	550	828	794	56
	..	95	..	233	
Other tablets					
Containing antibiotics	42	367 (c)	99	529	27
	..	..	..	849	
Other	15,772	8,374	9,177	9,370	116
	..	1,360	..	1,480	
Pills, medicated lozenges, pastilles and capsules, not elsewhere specified					
Containing antibiotics	..	298 (c)	..	3,902	23
Other	..	9,947	..	7,698	124
Liquid galenicals, not elsewhere specified	..	5,038	..	3,725	53
	Mn. international units		Mn. international units		
Insulin (all forms and solutions)	4,737.0	1,392 (d)	3,892.0	1,889	..
Liver extracts	..	988	..	816	20
Vaccines, sera and other serological products	..	538	..	1,502	15
Proprietary medicines not elsewhere specified	..	9,478	..	10,072	108
Other pharmaceutical preparations					
Containing antibiotics	..	15,416	..	1,502	19
Other	..	..	..	12,105	153
Unclassified pharmaceutical preparations	..	681	..	1,132	13
Drugs, etc. purchased and bottled for sale, not elsewhere specified (b)	..	2,789	..	776	8
Surgical and medical dressings, not wholly of cotton, medicated or not, other than piece goods	Th.cwt.		Th.cwt.		
Rigid adhesive bandages	..	748	1.9	170	13
	..	..	..	797	
Elastic adhesive bandages	..	936	0.8	103	8
	..	..	..	792	
Adhesive dressings (including chiropody plasters)	2.2	305	0.9	91	9
	..	1,400	..	1,159	
Other bandages (including plaster of paris bandages)	..	1,436	..	726	..
Other dressings (including first aid outfits and holdalls)	..	..	..	813	14
Waste products	..	156	..	161	41
Work done for the trade or on commission (e)	..	520	..	450	34
Total		105,025		109,305	..
Sales in other industries (see Table 6)		12,815		12,025	..
Principal products of this industry sold by establishments in the industry		92,210		97,280	227

(a) Not recorded separately.

(b) So far as recorded separately.

(c) Containing penicillin.

(d) Including some duplication as the result of material being recorded twice at successive stages of manufacture.

(e) Amount charged.

DRUGS AND PHARMACEUTICAL PREPARATIONS

Sales of principal products of the industry by establishments classified to other industries: Larger establishments in the United Kingdom

TABLE 6

	1954			Principal industries in which produced (a)
	Quantity	Value	Entries	
	Th.lb.	£'000	Number	
Pharmaceutical chemicals				
Acetylsalicylic acid (aspirin) (b)	..	1,505	7	2C, 2E, 2G, 9G
Alkaloids	476.9	406	7	2B, 2E, 2O, 8I
Other pharmaceutical chemicals not elsewhere specified	..	5,728	36	
Unclassified pharmaceutical chemicals	..	1,462	9	
Pharmaceutical preparations	Mn. tablets			
Tablets not elsewhere specified				
Acetylsalicylic acid (aspirin)	68	48	..	2C, 2E, 2G
Other tablets, except aspirin compounds	..	163	6	2C, 2E, 5H
Pills, medicated lozenges, pastilles and capsules, not containing antibiotics, not elsewhere specified	..	1,010	45	2C, 2G, 8I, 9G
Proprietary medicines not elsewhere specified	..	132	..	2C, 2G, 9G
Other pharmaceutical preparations, not containing antibiotics	..	681	27	
Unclassified pharmaceutical preparations	..	103	6	
Saccharin, including substances of a like nature or use; drugs, etc. purchased and bottled for sale, not elsewhere specified, so far as recorded separately; surgical and medical dressings, not wholly of cotton, medicated or not, other than piece goods; and work done for the trade or on commission	..	785	14	
Total		12,025	..	

(a) The volume number and industry references given are to the industries shown in the list at the back of this report.

(b) Including tablets of aspirin compounds.

Sales in the industry of other than principal products
Larger establishments in the United Kingdom

TABLE 7

	1954
	Value
	£'000
Disinfectants, antiseptics, insecticides, weed killers, sheep and cattle dips and like products	1,253
Perfumery, cosmetics and toilet preparations (other than essential oils)	
Hair preparations	639
Face creams and hand creams, jellies and tablets	646
Dental preparations	2,081
Toilet soap (including liquid toilet soap) and shaving soap, solid, cream or powder, including brushless shaving cream	335
Other descriptions	1,158
Surgical and medical dressings (wholly of cotton)	634
Scientific and surgical instruments, etc.	123
Food and drink products	3,661
Chemical products, not elsewhere specified	
Chloroform	140
Ethyl ether (sulphuric ether)	195
Iodides	364
Other	2,400
Medicines, spices and condiments specifically for animals	1,853
Other goods and work done	2,117
Total	17,600

DRUGS AND PHARMACEUTICAL PREPARATIONS

Total make of intermediate products

Larger establishments in the United Kingdom

TABLE 8

	Returned in this industry			Returned in all industries		
	1951	1954		1951	1954	
	Quantity	Quantity	Entries	Quantity	Quantity	Entries
	Th.lb.	Th.lb.	Number	Th.lb.	Th.lb.	Number
Principal products						
Acetylsalicylic acid (aspirin) other than tablets	1,048.7	(a)	..	5,312.4	8,563.0	7
Alkaloids						
Morphine, codeine, ethyl morphine and other derivatives of morphine	56.1	52.8	5	56.1	52.8	5
Caffeine and theobromine	560.0	(a)	..	823.9	698.2	7
Other alkaloids	63.1	(a)	..	81.6	18.8	8
Barbituric acid, its derivatives and their salts	(a)	(a)	..	(a)	480.7	6
		Th.mega units		Th.mega units	Th.mega units	
Penicillin, its salts and derivatives	(a)	94,858.0	..	57,794.4	104,613.0	..
		Th.lb.		Th.lb.	Th.lb.	
Quinine and quinine salts	(a)	(a)	..	94.0	157.5	7
Sulphonamides, other than tablets	(a)	(a)	..	3,028.4	1,032.8	9
		Th.oz.		Th.oz.	Th.oz.	
Saccharin, including substances of a like nature or use	(a)	7,403.9	..	11,998.1	7,515.7	..
Other products	Th.cwt.			Th.cwt.	Th.cwt.	
Chloroform	20.8	(a)	..	44.9	40.8	6

(a) Owing to the risk of disclosure of information relating to individual firms, separate particulars cannot be given.

Purchases of materials and fuel, 1954
Larger establishments in the United Kingdom

TABLE 9

	Quantity	Cost
	Th.tons	£'000
Materials		
Acetone	1.3	122
	..	28
Acetylsalicylic acid (aspirin)	Mn. tablets	
In tablet form	35	7
	..	1
	Th.cwt.	
Other	30.4	671
	Th.oz.	
Alkaloids	3,168.8	676
	Th.proof gal.	
Ethyl alcohol	1,995.8	7,556
	Th.bulk.gal.	
Methylated spirits (industrial or mineralised)	822.8	213
Barbitone and all other barbiturates	..	298
	Th.lb.	
Bismuth	461.6	394
Drugs, raw or simply prepared	..	3,783
	Th.cwt.	
Glycerine	58.9	803

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TABLE 9 (contd.)

DRUGS AND PHARMACEUTICAL PREPARATIONS

	Quantity	Cost
		£'000
Materials (contd.)		
Glands and other organs and other substances of animal origin used for medical or surgical purposes		
As such	..	56.4
Dried or simply prepared	..	235
	Th.tons	
Glucose (all grades)	6.7	56.4
	Th.lb.	
Iodine, crude	801.0	348
	Th.cwt.	
Lactose	49.0	273
Malt	421.4	1,014
Medicinal oils	Th.lb.	
Essential	992.7	702
Fixed	..	944
Paraffin (other than for use as fuel)	Th.gal.	
Liquid	888.9	343
	Th.lb.	
Soft and hard	3,417.6	144
	Th.tons	
Phenol crystals and liquefied phenol (equivalent crystal phenol content)	0.7	97
	Th.lb.	
Phenacetin	893.3	285
	..	64
Sex hormones and preparations (natural or synthetic) having analagous physiological activity	..	75
Saccharin including substances of a like nature or use	30.4	137
Sulphonamides, other than tablets	441.0	505
Sodium compounds	Th.tons	
Bicarbonate	4.6	64
Carbonate, including soda crystals and soda ash (on the basis of 58%)	3.1	51
Caustic (on the basis of 76°E)	7.7	100
Sulphuric acid (on the basis of 100% acid)	7.2	84
Synthetic vitamins	..	657
Packing materials		
Timber and containers made of timber	..	505
Paper for wrapping and packing	..	476
Cardboard boxes, cartons and fibreboard packing cases	..	3,111
Glass containers	..	3,903
Plastic containers	..	220
Metal containers	..	2,750
Other packing materials	..	1,897
Replacement parts for machinery, plant and vehicles and consumable tools bought as replacements	..	1,203
All other purchased materials	..	23,236
Fuel and electricity		
Coal	221.7	771
Coke	18.7	84
	..	17
Liquid fuels (including creosote/pitch mixtures)		
For use in internal combustion engines	Th.gal.	
Motor spirit (petrol) for use in road vehicles and deriv. fuel	1,236.1	247
Other	68.1	4
	..	2
For burning in furnaces, boilers, kilns, etc.	8,397.4	345

(88207)

TABLE 9 (contd.)

	Quantity	Cost
	Th.therms	£'000
Fuel and electricity (contd.)		
Gas purchased		
From Gas Boards	1,131.3	65
From other sources, including other departments of the same firms		
Electricity purchased (a)	Th.kWh.	
From Electricity Boards	175,444	588
From other sources, including other departments of the same firms	2,631	19
All other purchased fuel		39
Total cost		61,288
Less Customs and Excise rebates and drawbacks receivable in respect of alcohol		6,773
Total cost (exclusive of Customs and Excise rebates and drawbacks receivable in respect of alcohol in 1954)		54,514

(a) The total quantity of electricity generated in firms' own establishments in this industry in 1954 was 23,107 Th. kWh.

Average number of employees, and wages, salaries and superannuation payments (a)

Larger establishments in the United Kingdom

TABLE 10

	1951	1954
	Number	Number
Average number of employees		
Operatives	35,233	32,131
Administrative, technical and clerical employees	15,453	16,166
Total	50,686	48,297
	£'000	£'000
Wages and salaries paid to		
Operatives	9,670	10,800
Administrative, technical and clerical employees	7,758	9,477
Total	17,428	20,277
	£	£
Wages and salaries per head		
Operatives	274	336
Administrative, technical and clerical employees	502	586

TABLE 10 (contd.)

	1951	1954
		£'000
Superannuation and other pension funds for employees and dependents (b)		
Employers' contributions	..	695
		Number
Employees covered	..	25,938
		£'000
Pension, etc. payments to former employees and dependents (b)	..	131

(a) The following persons, not included in the table, were also employed by larger establishments in this industry ('other workers' includes, for example, employees engaged in merchanting):

	1951	1954
	Number	Number
Canteen workers		
Males	42	28
Females	609	696
Total	651	724
Other workers		
Males	2,134	1,965
Females	2,779	2,498
Total	4,913	4,463
Total excluded employees	5,564	5,187

(b) The figures given relate to larger establishments in Great Britain only.

Employment in a specified week (a)

Larger establishments in the United Kingdom

TABLE 11

	1951			1954		
	Males	Females	Total	Males	Females	Total
Working proprietors	9	2	11	8	-	8
Operatives	16,128	20,007	36,135	15,266	17,996	33,262
Administrative, technical and clerical employees	8,130	7,714	15,844	8,182	7,987	16,169
Total employees	24,258	27,721	51,979	23,448	25,983	49,431

(a) Week ended September 22, 1951, or October 30, 1954.

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