

## 21 Spirit distilling and compounding

This Report on the Spirit Distilling and Compounding Industry relates to establishments engaged wholly or mainly in distilling, rectifying, compounding and blending spirits, but distilling industrial alcohol and methylating spirits is excluded. Bottling by distillers, blenders etc, is included, but establishments engaged wholly or mainly in bottling drinks purchased from other firms (or in bottling on commission) are excluded.

This industry corresponds to minimum list heading 239(1) in the Standard Industrial Classification (Revised 1968) which has been used for the first time as a basis of classification in the 1968 Census. The definition of this industry however is unchanged from the last detailed Census of Production for 1963 in which it was reported (Part 19).

In interpreting the data in the tables it is essential to bear in mind the notes and definitions which appear on pages (i) to (iv).

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(c) Including services rendered to other organisations (amounts charged for hiring out plant, machinery or other goods, for providing transport, or for technical or other services rendered).

(d) Administrative, technical and clerical employees.

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

(f) Acquisitions less disposals.

TABLE 1 Industry summary, 1963 and 1968  
United Kingdom (a) (b)

	Unit	All establishments	
		1963	1968
Number of enterprises	No.	60	73
Number of establishments	"	155	177
Gross output	£'000	302,360	488,163
Net output	"	71,821	108,507
Net output per head	£	4,338	5,445
Sales and work done	£'000	283,165	460,328
Net amounts payable in respect of			
Purchases			
Payments to other organisations			
Stocks and work in progress			
Total stocks and work in progress			
Goods on hand for sale			
Work in progress			
Materials, stores and fuel			
Number employed on average during the year			
Wages and salaries			
Capital expenditure (e)			
Total			
New building work			
Land and existing buildings (f)			
Plant and machinery (f)			
Vehicles (f)			

(a) For 1968, estimates for establishments not making satisfactory returns and for small establishments, from which only employment data were collected, accounted for 4 per cent. of the total figures in which they were incorporated: of this, unsatisfactory returns accounted for 1 per cent. For 1963 the comparable figures were 4 per cent. and less than 1 per cent. respectively.

(b) The following information relates to small establishments (employing fewer than 25 persons) in this industry. It includes an estimate for small establishments not making satisfactory returns.

	1963	1968
Number of establishments	65	76
Average number employed:		
Working proprietors	23	12
Other persons employed	1,050	1,134

Footnotes continued on page 21/2.

TABLE 2 Analysis by size of establishment within the industry, 1968

(i) Output and employment

All establishments: United Kingdom

Number employed on average during the year by the establishment (a)	Estab-lish-ments	Enter-prises (b)	Total number employed on average during the year (a)	Gross output	Net output	Net output per head
	Number	Number	Number	£'000	£'000	£
1-5	7	7	19	..	..	..
6-10	8	8	62	..	..	..
11-24	57	31	1,031	..	..	..
25-49	49	20	1,793	26,853	8,747	4,878
50-99	14	12	932	18,762	3,957	4,246
100-199	12	9	1,659	117,741	6,681	4,027
200 and over	24	9	14,323	298,408	82,673	5,772
Unsatisfactory returns	6	5	109	..	..	..
Total	177	73	19,928	488,163(c)	108,507(c)	5,445(c)

(ii) Employees, wages and salaries

All establishments: United Kingdom

Number employed on average during the year by the establishment (a)	Employees		Wages and salaries		Wages and salaries per head	
	Oper-atives	Others (d)	Oper-atives	Others (d)	Oper-atives	Others (d)
	Number	Number	£'000	£'000	£	£
1-5	..	..	..	..	..	..
6-10	..	..	..	..	..	..
11-24	..	..	..	..	..	..
25-49	1,431	358	1,452	431	1,015	1,205
50-99	695	235	581	311	836	1,324
100-199	1,309	348	1,149	541	878	1,555
200 and over	10,961	3,357	9,303	4,452	849	1,326
Unsatisfactory returns	..	..	..	..	..	..
Total	15,329(c)	4,575(c)	13,348(c)	6,092(c)	871(c)	1,332(c)

(a) Including working proprietors.

(b) The sum of the figures for the size groups exceeds the total for the industry to the extent that enterprises made returns for establishments in more than one size group.

(c) Including estimates for establishments employing fewer than 25 persons and for establishments not making satisfactory returns.

(d) Administrative, technical and clerical employees.

TABLE 3 Percentage analysis of employees, by age and sex, 1969 (a)

All establishments: United Kingdom

Ages	Males	Females	All employees
	Per cent.	Per cent.	Per cent.
Under 18	2	3	5
18 and over	58	37	95
All ages	60	40	100

Source: Department of Employment

(a) The percentages relate to the numbers employed (excluding working proprietors) at June 1969, the earliest date for which the information is available on the basis of the Standard Industrial Classification, (Revised 1968).

## Footnotes to Table 4.

- (a) Some establishments employing fewer than 25 persons were included in returns for larger establishments. These amounted to 25 establishments in 1968 and 28 in 1963.
- (b) The method of classifying returns to sub-divisions of the industry is explained in the notes; the characteristic products of each sub-division are identified in Table 5.
- (c) The sum of the figures for the sub-divisions exceeds the total for the industry to the extent that enterprises made returns for more than one sub-division.
- (d) Including services rendered to other organisations (amounts charged for hiring out plant, machinery or other goods, for providing transport, or for technical or other services rendered).
- (e) Direct sales of goods (excluding canteen takings) made to, and work done for, the general public by larger establishments are included. These amounted to £798,000 in 1968. Similar information is not available for 1963.
- (f) Characteristic products relate only to sub-divisions of the industry.
- (g) For sub-divisions of the industry, this is the ratio of sales of characteristic products to total sales of goods produced and work done. For the industry as a whole, this is the ratio of total sales of principal products by the industry to total sales of goods produced and work done.
- (h) Drawbacks and allowances receivable in respect of liquors exported, bottled, returned etc, amounted to £79,375,000 in 1968 and £24,921,000 in 1963.
- (i) Administrative, technical and clerical employees.
- (j) Excluding expenditure for establishments not yet in production.
- (k) Acquisitions less disposals.

TABLE 4 Analysis of larger establishments, 1963 and 1968

Establishments employing 25 or more persons: Analysis of returns received, United Kingdom (a)

	Unit	Sub-divisions of the industry (b)				Total	
		Distillers		Rectifiers and compounders of spirits, blenders, etc			
		11	12 and 13	1963	1968	1963	1968
Number of enterprises (c)	No.	16	17	21	26	33	39
Number of establishments	"	70	74	48	50	118	124
Gross output	£'000	72,710	150,409	218,492	317,863	291,202	468,272
Net output	"	9,798	15,578	59,373	88,508	69,171	104,086
Net output per head	£	2,443	3,650	4,974	5,961	4,338	5,445
Sales and work done	£'000	72,550	137,779	204,888	303,791	272,716	441,571
	"		722		5,749	4,723	6,471
Sales of characteristic products	"	70,109	133,808	195,594	296,276	(f)	(f)
Index of specialisation (g)	Per cent.	97	97	98	98	99	99
Net amounts payable in respect of Customs and Excise duty (h)	£'000	40,080	97,881	88,134	86,838	128,214	184,719
Purchases	"	22,766	35,642	71,187	139,512	90,596	175,154
	"		572		3,039	3,358	3,611
Payments to other organisations	"	123	-	627	831	750	831
	"		527		1,990		2,518
	"	425		2,488		2,913	
	"		73		1,242		1,315
Stocks and work in progress	"						
Goods on hand for sale	"	+ 164	+ 352	+ 917	+ 2,927	+ 1,080	+ 3,278
	"	4,979	3,192	8,051	14,036	13,030	17,229
Work in progress	"	- 4	+11,556	+12,687	+ 5,396	+12,683	+16,952
	"	158	15,384	103,136	192,434	103,294	207,818
Materials, stores and fuel	"	+ 483	- 136	+ 3,317	+ 4,098	+ 3,800	+ 3,962
	"	3,144	3,365	25,295	40,806	28,440	44,171
Number employed on average during the year	No.	4,010	4,268	11,937	14,848	15,947	19,116
	"	3,373	3,430	9,219	11,283	12,592	14,713
	"	637	832	2,715	3,559	3,352	4,391
Wages and salaries	£'000	2,734	3,783	5,208	9,029	7,942	12,812
	"	698	1,081	2,948	4,766	3,646	5,847
Wages and salaries per head	£	811	1,103	565	800	631	871
	"	1,096	1,300	1,086	1,339	1,088	1,332
Capital expenditure (j)	"						
New building work	£'000	1,399	707	817	2,419	2,215	3,126
Land and existing buildings	"	53(k)	17(k)	- 151(k)	178(k)	- 97(k)	279
	"						83
Plant and machinery	"	2,263	1,656	957	2,971	3,220	4,627
	"	23	51	10	51	32	101
Vehicles	"	48	78	191	295	239	373
	"	6	17	65	76	71	93

For notes to this table - see page 21/5.

TABLE 5 Sales of principal products of the industry by larger establishments, including sales by establishments classified to other industries, 1963 and 1968

Establishments employing 25 or more persons: Analysis of returns received, United Kingdom

Industry sub-division (a)		1963		1968		Enterprises	Entries
		Quantity	Value	Quantity	Value		
		Th. proof gal.	£'000	Th. proof gal.	£'000		
11	Ethyl alcohol						
	Potable spirits (plain spirit)						
	Sold duty-paid	3,547	41,471	5,423	97,944	*	*
	Sold duty-free	80,935	29,108	92,290	34,343	20	35
12,13	Whisky, blended, sold bottled or unbottled						
	Sold duty-paid	5,481	77,526	5,773	110,567	21	30
	Sold duty-free	27,206	64,318	38,782	115,587	25	36
12,13	Spirits rectified or compounded (including liquors, cordials, mixtures and other preparations containing spirits, sold bottled or unbottled)						
	Duty-paid						
	Gin	3,992	52,379	2,861	55,908	6	7
	Other			480	7,112	10	14
	Duty-free						
	Gin	2,255	4,096	5,057	8,254	7	9
	Other			596	2,496	5	7
	Other products	..	23	..	26	*	*
	Waste products						
11	Residues and by-products (grains, spent wash, fusel oil, etc)	..	1,505	..	2,636	24	38
	Other	..	31	..	13	*	5
	Work done		19		1,014	6	13
	Total		270,476		435,899	..	..
	Sales in other industries (see Table 6)		725		373	..	..
	Principal products of this industry sold by establishments in the industry		269,751		435,527	39	68(b)

(a) The number given is that of the sub-division of which the item is a characteristic product. The sales shown are total sales by larger establishments, not merely sales by establishments classified to the sub-division.

(b) This figure represents the total number of returns made for larger establishments in this industry which is less than the total number of establishments shown in Table 4 on account of combined returns covering more than one establishment.

TABLE 6 Sales of principal products of the industry by larger establishments classified to other industries, 1963 and 1968

Establishments employing 25 or more persons: Analysis of returns received, United Kingdom

The total value of sales of principal products of this industry by establishments classified to other industries was £725,000 in 1963 and £373,000 in 1968. Owing to the risk of disclosure of information relating to individual firms, separate particulars cannot be given.

TABLE 7 Sales of other than principal products by larger establishments in the industry, 1963 and 1968

Establishments employing 25 or more persons:  
Analysis of returns received, United Kingdom

	1963		1968	
	Quantity	Value £'000	Quantity	Value £'000
Sales of goods (other than principal products) and work done			..	4,594
Services rendered to other organisations (a)	..	4,232	..	1,450
Goods sold without having been subjected to any manufacturing process other than bottling or canning				
Other than purchased liquors			..	1,070
Purchased liquors etc, bottled or canned				
Whisky	Th.proof gal.		Th.proof gal.	
Sold duty-paid	} 370	665	..	1,564
Sold duty-free			194	96
Gin				
Sold duty-paid	32.7	442	..	836
Sold duty-free	18.0	28	20.3	33
Other spirits				
Sold duty-paid	58.1	618	28.1	609
Sold duty-free	60.7	129	..	378
Sold duty-free			21.1	42
British wines (sweets)			Th.gal.	
Imported wines (sold duty-paid)	..	1,487	7.4	20
Other purchased liquors etc (including soft drinks and vinegar)			351	1,244
Canteen takings			..	390
Canteen takings			..	17
Canteen takings		87		172
Total		7,688		12,515

(a) Amounts charged for hiring out plant, machinery or other goods, for providing transport, or for technical or other services rendered to other organisations.

TABLE 8 Production of certain principal products of the industry by larger establishments, 1963 and 1968

This table is not applicable to this industry.

TABLE 9 Purchases by larger establishments of selected principal products of the industry, 1968

This table is not applicable to this industry.

TABLE 10 Purchases by larger establishments in the industry, 1963 and 1968

Establishments employing 25 or more persons: Analysis of returns received, United Kingdom

	1963		1968	
	Quantity	Cost £'000	Quantity	Cost £'000
Materials for use in production		£'000		£'000
Barley, unprocessed				
Home grown	..	3,011	..	3,242
Imported	..	1,682	..	1,112
Other cereals and cereal products	..	9,360	..	10,910
Malt	..	6,102	..	7,068
Potable ethyl alcohol (plain spirit) for blending, rectifying, compounding, etc	..	39,954	..	91,305
Other spirits and liquors, etc, for blending and compounding	..	3,884	..	20,360
Yeast	..	665	..	851
Water	..	127	..	174
Replacement parts for firms' own machinery, plant and vehicles, and accessories and consumable tools bought as replacement				
Tyres and other spare parts for firms' own road goods vehicles	..	436	..	82
Other			..	929
All other materials for use in production	..	1,138	..	4,634
Packaging materials				
Paper and board				
Boxes, cartons, drums and canisters (with or without metal ends) of paper and cardboard	..	3,808	..	2,826
Fibreboard packing cases			..	3,665
Other packaging materials of paper and paperboard (including moulded pulp units and labels) but excluding bags and multiwall paper sacks (a)	..	931	..	1,271
Metal (other than aluminium) including crown corks, wire, foil and any laminates incorporating foil, foil labels and closures, tensional steel strappings, etc but excluding cans, boxes, barrels, kegs and drums	..	1,883	..	2,506
Timber				
Containers wholly or mainly of wood (including plywood boxes and drums), baskets and wickerwork crates	..	4,701	..	7,927
Timber (sawn or planed) for manufacture into packing cases, etc (b)	1,130	2,755	..	1,303
Glass containers (including glass syphons)	348,663	6,131	338,324	6,944
All other packaging materials	..	855	..	2,257
All other packaging materials	..	855	..	1,564
Fuel and electricity (c)	Th.tons		Th.tons	
Coal	304	1,984	211	1,533
Coke (including screenings) and manufactured fuel	14.9	160	3.1	45
Peat	..	50	..	7
Peat	..	50	..	46
Derv fuel and motor spirit for use in road vehicles	356	75	570	152
Other liquid fuels (including creosote/pitch mixtures etc, and liquefied petroleum gases)	9,666	393	..	1,530(d)

Continued on next page.

TABLE 10 (continued)

	1963		1968	
	Quantity	Cost	Quantity	Cost
Fuel and electricity (c) (continued)	Th.therms	£'000	Th.therms	£'000
Gas	198	18	110 ..	10 7
Electricity	Th.kWh 57,730 ..	415 79	Th.kWh 118,046 ..	763 131
Total cost of materials and fuel		90,596		175,154
Goods purchased for merchandising				
Liquors, etc, purchased for bottling or canning		2,156		2,432
Other goods purchased for merchandising		1,103		953
Canteen purchases		99		227
Total cost of purchases		93,954		178,766

(a) For 1963 bags were not specifically excluded.

(b) For 1963 described as 'Timber (sawn or planed) for manufacture or repair of casks, cases etc'.

(c) The total quantity of electricity generated in establishments employing 25 or more persons in this industry was 17,552 Th.kWh in 1968. Owing to the risk of disclosure of information relating to individual firms, the quantity generated in 1963 cannot be given.

(d) For 1968 may include a small amount of fuels not covered by specific headings.

TABLE 11 Transport costs and employment of larger establishments, 1963 and 1968

Establishments employing 25 or more persons:  
Analysis of returns received, United Kingdom

	Unit	1963	1968
Average number mainly employed on transport	No.	486	673
Transport costs			
Wages and salaries	£'000	357	716
Derv fuel and motor spirit	"	75	152
Tyres and other spare parts for road goods vehicles	"	..	82
Payments to other organisations for transport	{ by road by rail and other means excluding postal services	{ 2,913	{ 2,518 1,315
Costs of operating road goods vehicles			
Insurance	"	17	20
Vehicle licences	"	15	54
Depreciation	"	70	146
Payments to other organisations for repairs and maintenance	"	35	71
Total	"	3,482(a)	5,074

(a) Excluding tyres and other spare parts for road goods vehicles, not collected separately for 1963.

TABLE 12 Payments for certain services, etc by larger establishments, 1963 and 1968 (a)

Establishments employing 25 or more persons:  
Analysis of returns received, United Kingdom

	Amounts payable	
	1963	1968
Repairs and maintenance to	£'000	£'000
Buildings	364	445
Road goods vehicles	35	71
Plant, machinery and other capital equipment	523	889
Insurance, licensing and depreciation of road goods vehicles (b)	102	221
Rates, excluding water rates	756	1,405
Hire of plant and machinery	28	73
Postage, telephone, telegrams, cables and telex (c)	188	358
Total	1,995	3,462

(a) No deduction is made for these payments to arrive at the figures of net output given in this report.

(b) For details see Table 11.

(c) Excluding telex for 1963.

TABLE 13 Percentage analysis of twelve-month periods covered by returns from larger establishments, 1968

Establishments employing 25 or more persons:  
Analysis of returns received, United Kingdom

Year ended	Percentage of total returns received	Percentage of total number employed
1968	Per cent.	Per cent.
April (a)	4.4	2.3
May	7.4	3.2
June	4.4	0.7
July	13.2	14.3
August	8.8	3.3
September	5.9	1.0
October	0.0	0.0
November	0.0	0.0
December	14.7	11.5
1969		
January	4.4	1.0
February	2.9	2.3
March	33.8	60.5
April (b)	0.0	0.0
	100	100

(a) From 6 April.

(b) To 5 April.

TABLE 12. Results for certain activities of the Department in 1950

Activity	1950	1949
Administrative expenses	1,000	950
Research expenses	1,500	1,400
Public relations	200	180
Printing and distribution of reports	300	280
Travel	150	140
Telephone	100	90
Postage	80	75
Supplies	60	55
Repairs	40	35
Interest	20	18
Other	10	10
<b>Total</b>	<b>3,350</b>	<b>3,220</b>

TABLE 13. Percentage analysis of certain activities of the Department in 1950

Activity	Percentage
Administrative expenses	29.8
Research expenses	44.8
Public relations	5.9
Printing and distribution of reports	8.9
Travel	4.5
Telephone	3.0
Postage	2.4
Supplies	1.8
Repairs	1.2
Interest	0.6
Other	0.3
<b>Total</b>	<b>100.0</b>