

## 9 Biscuits

This Report on the Biscuits Industry relates to establishments engaged wholly or mainly in manufacturing biscuits, rusks, shortbread, crispbread, cereal fillers (sausage meal) etc.

This industry corresponds to minimum list heading 213 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 9).

This Report includes an additional table (Table 5 supplement) of information supplied by the Ministry of Agriculture, Fisheries and Food, which supplements the broader figures of sales of biscuits given in Table 5.

There were no small establishments in this industry in Northern Ireland in 1963 and 1968.

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.	78	65	
Number of establishments	"	118	100	
Gross output	£'000	135,537	178,053	
Net output	"	56,567	76,963	
Net output per head	£	1,223	1,580	
Sales and work done	goods produced and work done (c)	£'000	125,740	162,492
	merchanted goods and canteen takings	"	9,477	14,953
Purchases	materials for use in production and packaging and fuel	"	68,552	86,849
	goods for merchandising and canteen purchases	"	7,894	11,352
Payments to other organisations	for work done on materials given out for transport	"	10	16
	by road	"	2,525	3,282
	by rail and other means excluding postal services	"		
Stocks and work in progress				
Total stocks and work in progress	change during year	"	+ 332	+ 1,326
	at end of year	"	11,287	13,267
Goods on hand for sale	change during year	"	+ 272	+ 639
	at end of year	"	4,101	5,589
Work in progress	change during year	"	+ 49	- 32
	at end of year	"	376	353
Materials, stores and fuel	change during year	"	+ 12	+ 719
	at end of year	"	6,810	7,325
Number employed on average during the year	total, including working proprietors	Th.	46.3	48.7
	operatives	"	36.4	38.6
	other employees (d)	"	9.7	10.1
Wages and salaries	of operatives	£'000	16,655	23,914
	of other employees (d)	"	7,805	10,582
Capital expenditure (e)				
Total	"	3,909	12,384	
New building work	"	581	4,634	
Land and existing buildings (f)	"	108	- 604	
Plant and machinery (f)	"	2,325	7,435	
Vehicles (f)	"	895	918	

(a) For 1968, estimates for establishments not making satisfactory returns and for small establishments, from which only employment data were collected, accounted for 2 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 1 per cent. and under 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	40	33
Average number employed		
Working proprietors	54	29
Other persons employed	446	349

Footnotes continued on page 9/2.

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	5	5	12	..	..	..
6-10	8	8	61	..	..	..
11-24	15	15	273	..	..	..
25-99	12	12	564	2,440	879	1,558
100-199	8	7	1,053	4,415	1,844	1,752
200-399	7	7	1,958	7,937	3,483	1,779
400-499	4	4	1,756	7,986	2,921	1,663
500-749	14	10	8,908	36,414	14,878	1,670
750 and over	20	9	33,516	115,379	51,454	1,535
Unsatisfactory returns	7	7	606	..	..	..
Total	100	65	48,707	178,053(c)	76,963(c)	1,580(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	
	Operatives	Others (d)	Operatives	Others (d)	Operatives	Others (d)
	Number	Number	£'000	£'000	£	£
1-5	..	..	..	..	..	..
6-10	..	..	..	..	..	..
11-24	..	..	..	..	..	..
25-99	467	95	339	115	726	1,207
100-199	808	245	589	292	729	1,190
200-399	1,596	362	960	379	601	1,046
400-499	1,471	285	817	342	556	1,199
500-749	7,616	1,291	4,668	1,366	613	1,058
750 and over	25,929	7,585	16,087	7,888	620	1,040
Unsatisfactory returns	..	..	..	..	..	..
Total	38,619(c)	10,054(c)	23,914(c)	10,582(c)	619(c)	1,052(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	1	4	5
18 and over	37	58	95
All ages	38	62	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) For 1963 a total of 6 establishments employing fewer than 25 persons were included in returns for larger establishments. None were included for 1968.
- (b) 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).
- (c) Direct sales of goods (excluding canteen takings) made to, and work done for, the general public by larger establishments are included. These amounted to £410,000 in 1968. Similar information is not available for 1963.
- (d) This is the ratio of total sales of principal products by the industry to total sales of goods produced and work done.
- (e) Administrative, technical and clerical employees.
- (f) Excluding expenditure for establishments not yet in production.

TABLE 4 Analysis of larger establishments, 1963 and 1968

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

	Unit	1963	1968	
Number of enterprises	No.	37	33	
Number of establishments	"	75	65	
Gross output	£'000	133,799	174,573	
Net output	"	55,842	75,459	
Net output per head	£	1,223	1,580	
Sales and work done	goods produced and work done (b) (c)	£'000	124,128	159,317
	merchanted goods and canteen takings	"	9,356	14,660
Index of specialisation (d)	Per cent.	92	87	
Purchases	materials for use in production and packaging, and fuel	£'000	67,673	85,152
	goods for merchandising and canteen purchases	"	7,793	11,130
Payments to other organisations	for work done on materials given out	"	10	16
	for transport	"	2,493	3,218
	by road	"		
by rail and other means excluding postal services	"	302		
Stocks and work in progress				
Goods on hand for sale	change during year	" +	268	+ 627
	at end of year	"	4,049	5,479
Work in progress	change during year	" +	48	- 31
	at end of year	"	371	346
Materials, stores and fuel	change during year	" +	11	+ 705
	at end of year	"	6,722	7,182
Number employed on average during the year	total including working proprietors	No.	45,663	47,755
	operatives	"	36,019	37,887
	other employees (e)	"	9,630	9,863
Wages and salaries	of operatives	£'000	16,477	23,460
	of other employees (e)	"	7,716	10,381
Wages and salaries per head	operatives	£	457	619
	other employees (e)	"	801	1,052
Capital expenditure (f)				
New building work	£'000	574	4,543	
Land and existing buildings	acquisitions	"	158	110
	disposals	"	51	701
Plant and machinery	acquisitions	"	2,409	7,492
	disposals	"	115	202
Vehicles	acquisitions	"	1,535	2,137
	disposals	"	651	1,237

For notes to this table - see page 9/5.

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

	1963		1968			
	Quantity	Value	Quantity	Value	Enterprises	Entries
	Th.cwt.	£'000	Th.cwt.	£'000	Number	Number
Biscuits for human consumption						
Rusks (infants', diabetic, breakfast, etc) crispbread, matzos and matzo meal, oatcakes and dry wafers (including cones, cornets, etc)	628	6,828	853	10,233	36	49
Chocolate covered biscuits and wafers including assortments, other than those sold as chocolate confectionery	10,417	113,958	2,501	41,570	41	59
All other biscuits, sweetened and unsweetened, including cabin bread (ship's biscuits)			8,467	95,143	59	98
Cereal filler (sausage meal)	759	2,681	862	3,537	6	10
	..	594				
Other products and work done	..	32	..	93	*	*
Waste products	..	411	..	773	28	44
Total		124,504		151,349	..	..
Sales in other industries (see Table 6)		9,636		12,164		
Principal products of this industry sold by establishments in the industry		114,868		139,185	33	52(a)

(a) 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 5 SUPPLEMENT Total production of biscuits classified by major types, all establishments, 1963 and 1968: United Kingdom

	1963		1968	
	Quantity		Quantity	
	Th.cwt.	Th.cwt.	Th.cwt.	Th.cwt.
Chocolate-coated				
Fully	1,372		1,779	
Partially	840		846	
Sweet and semi-sweet	6,941		6,834	
Plain	1,519		1,112	
Rusks	186		192	
Crispbread	319		415	
Matzos	20			
Oatcakes	41			
Wafers and cones	99			262
Savoury	..		449	
<b>Total</b>	<b>11,337(a)</b>		<b>11,889</b>	

Source: Ministry of Agriculture, Fisheries and Food

(a) Excluding 'Savoury' for 1963.

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

	1963		1968			Principal industries in which produced (a)
	Quantity	Value	Quantity	Value	Entries	
	Th.cwt.	£'000	Th.cwt.	£'000	Number	
Biscuits for human consumption						
Rusks (infants', diabetic, breakfast, etc) crispbread, matzos and matzo meal, oatcakes and dry wafers (including cones, cornets, etc)	38.3	383	467	9,041	47	7,8,13
Chocolate covered biscuits and wafers including assortments, other than those sold as chocolate confectionery	566	8,383				
All other biscuits sweetened and unsweetened, including cabin bread (ship's biscuits)			478	3,124	66	7,8,15,18
Cereal filler (sausage meal)	106	276				
	"	594				
<b>Total</b>		<b>9,636</b>		<b>12,164</b>	<b>..</b>	

(a) The references given are to the list of industries at the front of this report.

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	Quantity	Value
	Th.cwt.	£'000	Th.cwt.	£'000
Bakery products	427	4,931	864	13,566
	..	1,846	..	2,296
Chocolate and sugar confectionery	154	1,460	..	505
Other products	..	935	}	3,765
Services rendered to other organisations (a)	..	88		
Total value of goods sold without having been subjected to any manufacturing process (merchanted or factored)	..	8,886	..	14,014
Canteen takings		469		646
<b>Total</b>		<b>18,616</b>		<b>34,792</b>

(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 by 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	Quantity	Cost
Materials for use in production		£'000	Th.tons	£'000
Wheat meal and flour (other than self-raising flour and semolina)				
Home milled	..	10,351	391	12,994
Imported	..	898	22.6	931
Oatmeal, oat flour and other cereal meals and flours	..	346	..	524
Dairy butter and butter fat	..	2,226	..	1,934
Margarine and compound fat (including shortening)	..	2,562	..	3,877
Lard	..	347	..	642
Refined vegetable and seed oils	..	6,238	..	5,852
			Th.cwt.	
Sugar	..	6,740	2,240	8,725
Syrup and treacle	..	810	..	1,022
Eggs	..	1,018(a)	..	1,135
Chocolate couverture, block chocolate and chocolate powder	..	6,584	..	7,697
Cocoa beans	..	394	..	918
Cocoa butter	..	1,362	..	2,615
Dried fruits (including candied or dried peel)	..	1,375	..	1,591
Nuts (including flaked and desiccated coconut)	..	749	..	782
Essences and flavouring compounds, confectioners' colours and other dyes for foods, etc	..	1,017	..	794
Milk powder	..	520	..	589
Aerating (baking) powders	..	(b)	..	121
	Th.tons		Th.tons	
Tinplate and blackplate	1.1(c)	187	2.7	603
	Th.gal.		Th.gal.	
Lubricating oils and greases	31.8	11	27.5	10
	..	7	Th.cwt	
			2.3	15
			..	5
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	..	1,099	..	313
Other	..	777	..	777
All other materials for use in production	..	3,758	..	5,670
Packaging materials				
Paper and board				
Boxes, cartons, drums and canisters (with or without metal ends) of paper and cardboard	..	4,712	..	4,536
Fibreboard packing cases	..		..	2,977
Bags and multiwall paper sacks	..	(b)	..	202

Continued on next page

TABLE 10 (continued)

	1963		1968	
	Quantity	Cost £'000	Quantity	Cost £'000
Packaging materials (continued)				
Paper and board (continued)				
Wrapping and packing paper (including paper coated with plastics and any laminates incorporating paper but not metal)			..	3,136
Paper and board for converting into packaging materials	..	5,271	..	990
Other packaging materials of paper and paperboard (including moulded pulp units and labels)(d)			..	866
Metal				
Cans and boxes	..	1,469	..	1,706
Aluminium collapsible tubes, aluminium foil, and any laminates incorporating aluminium foil, and aluminium foil labels and closures	..	731	..	1,265
Transparent regenerated cellulose film				
In sheets or rolls			..	4,096
Bags	..	3,063	..	330
All other packaging materials	..	871	..	1,230
Fuel and electricity (e)				
Coal	Th.tons 36.6	216	..	173
Coke (including screenings) and manufactured fuel	9.0	33	..	2
Derv fuel and motor spirit for use in road vehicles	Th.gal. 2,769	515	Th.gal. 2,448	675
Other liquid fuels (including creosote/pitch mixtures, etc, and liquified petroleum gases)	7,469	299	5,765	267
Gas	Th.therms 17,381	1,056	Th.therms 14,998	1,092
Electricity	Th.kWh 161,788	836	Th.kWh 191,701	1,055
All other fuels	..	(b)	..	155
Total cost of materials and fuel		67,673		85,152
Goods purchased for merchanting		7,414		10,586
Canteen purchases		379		544
Total cost of purchases		75,466		96,282

(a) Defined for 1963 as 'Eggs not in shell'.

(b) Not recorded separately for 1963.

(c) Defined for 1963 as 'Tinplate, terneplate and blackplate'.

(d) Multiwall sacks were specifically excluded for 1963.

(e) The total quantity of electricity generated in establishments employing 25 or more persons in this industry in 1963 was 1,501 Th. kWh. Owing to the risk of disclosure of information relating to individual firms, details cannot be given for 1968.

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.	2,231	2,588
Transport costs			
Wages and salaries	£'000	1,653	2,554
Derv fuel and motor spirit	"	515	805
Tyres and other spare parts for road goods vehicles	"	..	313
Payments to other organisations for transport	"	2,493	3,218
by road			
by rail and other means excluding postal services			302
Costs of operating road goods vehicles			
Insurance	"	75	94
Vehicle licences	"	96	213
Depreciation	"	495	483
Payments to other organisations for repairs and maintenance	"	269	461
Total	"	5,596(a)	8,443

(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	213	234
Road goods vehicles	269	461
Plant, machinery and other capital equipment	378	615
Insurance, licensing and depreciation of road goods vehicles (b)	665	789
Rates, excluding water rates	630	1,031
Hire of plant and machinery	64	277
Postage, telephone, telegrams, cables and telex (c)	334	319
Total	2,553	3,726

(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
	Per cent.	Per cent.
1968		
April (a)	1.9	0.2
May	1.9	3.8
June	7.7	4.3
July	0.0	0.0
August	1.9	0.4
September	13.5	4.2
October	3.8	1.2
November	1.9	2.3
December	36.5	65.5
1969		
January	7.7	2.4
February	3.8	2.3
March	19.2	13.4
April (b)	0.0	0.0
	100	100

(a) From 6 April.

(b) To 5 April.