

THE BREAD, CAKES, ETC., TRADE

INTRODUCTORY

This trade comprises firms (including co-operative societies) engaged wholly or mainly in the baking of bread, cakes, pastries, etc., and the manufacture of ice-cream.

Table I A.—General summary

Particulars	1935	1930*	1924*
Value of products (Gross output)	£'000 63,986	£'000 60,030	£'000 62,508
Cost of materials, fuel and electricity used	35,670	37,319	41,343
Net output... ..	28,316	22,711	21,165
Average number of persons employed	No. 110,637	No. 87,001	No. 71,783
Net output per person employed	£ 256	£ 261	£ 295
Number of returns	No. 2,390	No. 1,862	No. 2,077
Number of establishments	2,644	2,205	†

* Including the few manufacturers of biscuits in Northern Ireland, separate information for which is not available.

† Not available.

In the following table particulars for private firms and co-operative societies are shown separately for 1935 and 1930.

Particulars	Private firms		Co-operative societies		Total	
	1935	1930	1935	1930	1935	1930
Value of products (Gross output)... ..	£'000 48,636	£'000 44,011	£'000 15,350	£'000 16,019	£'000 63,986	£'000 60,030
Cost of materials, fuel and electricity used	26,866	27,255	8,804	10,064	35,670	37,319
Net output	21,770	16,756	6,546	5,955	28,316	22,711
Average number of persons employed... ..	No. 93,041	No. 70,262	No. 17,596	No. 16,739	No. 110,637	No. 87,001
Net output per person employed	£ 234	£ 238	£ 372	£ 356	£ 256	£ 261
Number of establishments*	No. 2,275	No. 1,437	No. 369	No. 325	No. 2,644	No. 1,862

* Number of returns for 1930.

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

The Census form for 1935 required bakers to confine their returns of employment to persons that were employed in the bakehouse or were required in connection with the sale and delivery of their own products to customers; firms that were also concerned in retailing goods not of their own manufacture, and those that maintained refreshment rooms,

were instructed to omit from their returns all employees (shop assistants, waitresses, etc.) that were engaged chiefly in connection with these services. This instruction was not followed by many of the smaller bakers, with the result that the total number of employees recorded considerably over-stated the number actually required for "production", in the sense in which that term is used for Census purposes. A similar difficulty arose at each of the previous Censuses, and in view of the large number of businesses involved and the frequent lack of records, it has not been possible to arrive at a precise figure for any year. The number of firms recorded as in this trade is known to be considerably over-stated for the year 1930 owing to the inclusion of certain firms concerned in the distribution of bakery products but not themselves bakers. The numbers of persons employed given in the following table have been partly estimated and should be regarded as only approximate.

Particulars	1935	1930	1924
Number of returns received	No. 20,748	No. 22,141	No. 16,302
Number of firms not making returns	144	1,225	5,875
TOTAL—Number of small firms	20,892	23,366	22,177
Estimated total number of persons employed :—	Thous.	Thous.	Thous.
Males	61.1	60.3	58.0
Females	16.9	14.7	12.0
TOTAL	78.0	75.0	70.0

Of the estimated total number of persons employed in the Bread, Cakes, etc., Trade, the small firms employed the following proportions:—

	Per cent.
1935	41.4
1930	46.3
1924	49.4

Estimates of the output of the small firms in these three years are given on page 46.

Table II.—Size of establishments in 1935

Size of establishment (average number employed)	Number of establishments	Gross output	Net output	Number of persons employed	Net output per person employed
11-24	No. 1,540	£'000 13,207	£'000 5,893	No. 25,361	£ 232
25-49	655	12,943	5,543	22,312	248
50-99	281	11,950	5,043	19,237	262
100-199	103	8,813	3,680	14,101	261
200-299	33	4,736	1,995	7,774	257
300-399	11	1,897	877	3,901	225
400-499	4	851	396	1,815	218
500-749	10	2,970	1,364	6,316	216
750 and over	7	6,619	3,525	9,820	359
TOTAL	2,644	63,986	28,316	110,637	256

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

Area*	Number of establishments†	Gross output	Net output	Number of persons employed	Net output per person employed	
						No.	£'000	£'000	No.	£
1 ...	1935	745	17,754	8,747	29,401	298
	1930	370	15,405	6,477	20,571	315
2 ...	1935	346	9,627	3,884	16,517	235
	1930	292	9,251	2,990	13,223	226
3 ...	1935	159	2,873	1,181	5,400	219
4 ...	1935	111	1,986	756	3,875	195
3 and 4 ...	1935	270	4,859	1,937	9,275	209
	1930	184	3,460	1,295	5,995	216
5 ...	1935	184	6,117	2,581	9,125	283
	1930	144	5,709	1,922	6,787	283
6 ...	1935	82	2,217	907	3,162	287
7 ...	1935	73	1,205	529	2,103	251
8 ...	1935	187	3,702	1,659	6,972	238
9 ...	1935	109	1,656	713	3,360	212
10 ...	1935	80	1,650	687	2,554	269
11 ...	1935	12	147	59	271	219
6 to 11 ...	1935	543	10,577	4,554	18,422	247
	1930	413	9,862	3,706	14,597	254
12 ...	1935	60	1,246	501	1,922	260
	1930	45	944	354	1,343	264
13 ...	1935	16	197	94	382	245
	1930	11	183	69	284	242
14 ...	1935	162	5,932	2,470	11,691	211
	1930	113	4,521	1,683	8,112	207
15 ...	1935	131	3,674	1,737	5,955	292
16 ...	1935	53	771	343	1,458	236
17 ...	1935	82	1,029	471	2,489	189
15 to 17 ...	1935	266	5,474	2,551	9,902	258
	1930	239	7,787	3,171	11,769	269
18 ...	1935	52	2,203	997	4,000	249
	1930	51	2,908	1,044	4,320	242
TOTAL ...	1935	2,644	63,986	28,316	110,637	256
	1930	1,862	60,030	22,711	87,001	261

* For particulars see page xviii.

† Number of returns for 1930.

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

PRODUCTION

Table V.—Output of principal products

Kind of output	1935			1930	
	Quantity	Value	Entries	Quantity	Value
Bread :—	Th. 4-lb. loaves	£'000	No.	Th. 4-lb. loaves	£'000
Sold in loaves... ..	993,686	30,248	2,109	837,201	26,879
	Th. cwts.				
Sold in rolls	1,110	1,749	1,214		2,358
Loaves and rolls, unclassified, and unleavened bread {	179	188	11		
	...	87	22		
Rusks*	319	343	25		
Cake, sold by weight	991	2,924	1,409		
Pastries, buns, scones, etc. (including cakes not sold by weight) ... ..	...	20,206	2,031		23,725
Cake and pastries, etc., unclassified ... ..	...	1,475	95		
Bread, cake and pastries, etc., unclassified ... ..	...	770	36		1,036
Self-raising flour†	2,080	1,836	988		1,749
Ice-cream, including water ices	Th. galls.	6,745	2,589	220	1,318
	Th. cwts.				
Mince-meat*	251	559	129		976
Fruit puddings*... ..	138	456	83		
TOTAL—PRINCIPAL PRODUCTS ... ..	...	63,430	...	...	58,041

* So far as recorded separately.

† Excluding the output recorded on schedules for the Grain Milling Trade (see page 27).

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

Kind of output	1935			1930	
	Quantity	Value	Entries	Quantity	Value
Bread :—	Th. 4-lb. loaves	£'000	No.	Th. 4-lb. loaves	£'000
Sold in loaves	2,767	76	10	977	29
	Th. cwts.				
Sold in rolls	3	6	5		
Loaves and rolls, unclassified, and unleavened bread ... ..	...	17	3		
Rusks	91	117	6		
Cake sold by weight	169	572	33		321
Pastries, buns, scones, etc. (including cakes not sold by weight) ... ..	...	501	26		
Self-raising flour	160	131	22		108
Ice-cream, including water ices	Th. galls.	429	132	24	25
	Th. cwts.				
Mince-meat	250	558	119		516
Fruit puddings... ..	34	147	57		
TOTAL ... ..	...	2,257	...	...	999

Total output of bread, cakes, pastries, etc.—Particulars of the total quantity and value of bread and the value of cakes, pastries, etc., made in the United Kingdom in the years 1935, 1930 and 1924 are given in the following table, bread in rolls being expressed in 4-lb. loaves at its equivalent weight and the unclassified output divided *pro rata*. The estimates for the small firms in 1935 are based partly on the particulars of the number of 4-lb. loaves made and of sacks of flour used, which were supplied by a representative sample of firms for that year.

Particulars	1935		1930		1924	
	Quantity	Value	Quantity	Value	Quantity	Value
Bread :—	Mill. 4-lb. loaves	£ Mill.	Mill. 4-lb. loaves	£ Mill.	Mill. 4-lb. loaves	£ Mill.
Made by large firms	1,047	32.7	929	29.8	903	33.2
Made by small firms	710	23.0	760	25.7	767	30.0
Total—Bread ...	1,757	55.7	1,689	55.5	1,670	63.2
Cakes, pastries, etc. :—						
Made by large firms	...	25.3	...	24.2	...	22.4
Made by small firms	...	10.0	...	11.0	...	13.2
Total ...	...	35.3	...	35.2	...	35.6
TOTAL — Bread, cakes, pastries, etc. ...	...	91.0	...	90.7	...	98.8

The estimated total quantity of bread produced at bakeries in 1924 represents an average consumption of about 149 lbs. per head of the population of the United Kingdom; for 1930 the average was 148 lbs. and for 1935 150 lbs.

Table VI.—Average value of bread

The average value of all bread for which quantities were recorded for 1930 was 7.71d. per 4-lb. loaf, bread made in loaves of smaller size than 4 lbs., and in rolls, being expressed in 4-lb. loaves at its equivalent weight. Owing to possible variations in the proportions sold in the different forms, a precise comparison cannot be made with the values recorded for 1935, which were as follows:—

Bread sold in loaves ...	...	7.31d. per 4-lb. loaf.
Bread sold in rolls ...	...	£1.58 per cwt. (13.50d. per 4 lbs.).

The average retail price of bread, as recorded by the Ministry of Labour, was about 9 per cent. lower in 1935 than in 1930 and this price fall is confirmed by a comparison of the returns for the two years of the largest firms which did not record any output of rolls in 1935. The fall between 1930 and 1935 in the average value of the flour produced in this country, including the Wheat Quota payment in the 1935 price, was about 11 per cent.

Table VII.—Volume of Production, 1924-1935

Kind of output	Total production			Production index (1935 = 100)	
	1935 as returned	1930		1924	1930
		As returned	At 1935 average values		
Bread :—	£'000	£'000	£'000	Per cent.	Per cent.
Sold in loaves ...	30,248	29,809	27,130	81	83*
Sold in rolls ...	1,749				
Loaves and rolls, unclassified and unleavened bread ...	717				
Rusks ...	343	24,189	20,570	63	81
Cake sold by weight ...	2,924				
Pastries, buns, scones, etc. (including cake not sold by weight) ...	20,206				
Cakes and pastries, unclassified ...	1,803	1,749	1,560	58	85
Self-raising flour ...	1,836				
Ice-cream (including water ices) ...	2,589	1,318	1,000	...	39
Mince-meat ...	559				
Fruit puddings ...	456	976	700	...	69
TOTAL ...	63,430	58,041	50,960	69	80

* Calculated on the basis of a fall of 9 per cent. in the price of bread between 1930 and 1935 (see page 46).

Table VIII.—Exports and Imports

Exports of cakes were as follows:—

	Quantity	Value (f.o.b.)	
		Th. cwts.	£'000
1935 ...	6	22	
1930 ...	5	24	

Imports were not recorded separately for either year.

Table IX.—Other output of the Bread, Cakes, etc., Trade

The value of the gross output of the firms whose returns were made on schedules for the Bread, Cakes, etc., Trade was £63,986,000 in 1935 and £60,030,000 in 1930, of which £61,173,000 in 1935 and £57,042,000 in 1930 consisted of products included in Table V. Particulars of the remaining items are shown below.

Kind of output	1935	1930
	£'000	£'000
Biscuits for human consumption	474	1,471
Cocoa and sugar confectionery (including chocolate confectionery)	170	365
Preserved meat in tins, glasses, etc.	2	10
Sausages	175	961
Meat pies	1,572	
Other preserved meat (including cooked meats, etc.)	215	26
Marmalade, jams and fruit jellies	20	
Invalid, infant and breakfast foods	2	44
Other goods (mainly food products)	183	111
TOTAL	2,813	2,988

MATERIALS AND FUEL USED**Table X A.—Materials, fuel and electricity purchased and used**

Kind of materials, etc.	1935		1930
	Quantity	Cost	Cost
		£'000	£'000
Wheat flour	Th. sacks of 280 lbs. 13,411	18,780	37,319
Sugar	Th. cwts. 1,553.2	1,491	
Butter	131.2	586	
Animal lard	93.9	262	
Compound, margarine and other oils and fats... ..	1,113.7	2,121	
Eggs in shell	Th. doz. 6,020.3	293	
Eggs not in shell	Th. cwts. 590.7	1,703	
Dried fruits	598.6	1,263	
Fuel and electricity used for all purposes :—	Th. tons		
Coal	65.3	90	
Coke	274.7	382	
Heavy fuel oil	Th. galls. 10,992	181	
Purchased electricity*	Th. B.T.U. (Kw.-hrs.) 58,967	297	
All other purchased materials and fuel... ..	...	8,221
TOTAL	35,670	37,319

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

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

Kind of fuel	1935	1930
	Th. tons	Th. tons
Coal	65.3	88.7
Coke... ..	274.7	217.1
Electricity :—	Th. B.T.U. (Kw.-hrs.)	Th. B.T.U. (Kw.-hrs.)
Generated in same works	521	1,700
Generated in other works under same ownership	154	—
Purchased	58,813	39,824
Total electricity consumed	59,488	41,524

EMPLOYMENT**Table XI A.—Average numbers employed**

Persons employed	Males		Females		Total	
	Under 18	All ages	Under 18	All ages	Under 18	All ages
Operatives (average for the year)	1935 7,194	65,186	5,150	18,228	12,344	83,414
	1930 6,029	51,961	4,865	18,236	10,894	70,197
Administrative, technical and clerical staff*	1935 1,152	10,115	3,902	17,108	5,054	27,223
	1930 1,010	7,419	2,051	9,385	3,061	16,804
TOTAL	1935 8,346	75,301	9,052	35,336	17,398	110,637
	1930 7,039	59,380	6,916	27,621	13,955	87,001

* As at 12th October, 1935, and 18th October, 1930.

Table XI B.—Operatives employed in one week in each month of 1930 and 1935 by firms furnishing returns in respect of the twelve months ended December

Mid week of*	Operatives employed		Monthly index†	
	1930	1935	1930	1935
January	28,444	48,421	75.1	90.9
February	28,417	48,644	75.0	91.4
March	28,782	49,296	76.0	92.6
April	31,022	54,825	81.9	103.0
May	31,007	56,449	81.9	106.0
June	31,305	57,101	82.6	107.2
July	31,943	57,897	84.3	108.7
August	31,349	57,844	82.8	108.6
September... ..	31,420	55,822	82.9	104.8
October	29,070	50,440	76.7	94.7
November	29,248	50,692	77.2	95.2
December	29,481	51,477	77.8	96.7
Average for the twelve months	30,124	53,242	79.5	100.0
Proportion of total operatives represented	42.91	63.83	...	...

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

† Based on the estimated average for the year 1935.

Table XI C.—Average numbers employed, 1924-1935

Year	Operatives	Administrative, technical and clerical staff	Total
1924	61,762	10,021	71,783
1930	70,197	16,804	87,001
1935	83,414	27,223	110,637

WAGES

Table XII.—Wages paid by firms furnishing returns of wages

The aggregate amount of wages paid by firms furnishing returns of wages was £4,199,000 in 1935 representing 38.7 per cent. of the net output of these firms, the corresponding figures for 1930 being £4,062,000 and 37.7 per cent. The figures for these firms given below indicate the size of the sample and the extent to which it is representative.

Firms furnishing returns of wages	1935		1930	
	Aggregate	Proportion of trade	Aggregate	Proportion of trade
	£'000	Per cent.	£'000	Per cent.
Gross output... ..	25,578	40.0	27,696	46.1
Net output	10,854	38.3	10,766	47.4
Operative staff employed :—	No.		No.	
During mid-week of October :—				
Males	25,352	40.3	}	*
Females	7,047	40.1		
Total	32,399	40.3	31,480	45.6
Average for the year	32,534	39.0	31,348	44.7
Administrative, technical and clerical staff	10,138	37.2	*	*
Number of establishments	702	26.6	...	...

* Not recorded separately.

COUNTRY TABLES (1935)

Note.—The figures given in the following tables relate only to firms whose returns were made on schedules for the Bread, Cakes, etc., Trade.

Table I.—General summary

Particulars	Unit	England and Wales	Scotland	Great Britain	Northern Ireland
Value of products (Gross output)	£'000	50,377	11,406	61,783	2,203
Cost of materials, fuel and electricity used	"	28,079	6,385	34,464	1,206
Net output	"	22,298	5,021	27,319	997
Average number of persons employed	No.	85,044	21,593	106,637	4,000
Net output per person employed	£	262	233	256	249
Number of returns	No.	1,927	411	2,338	52
Number of establishments	"	2,164	428	2,592	52

Table II.—Output

Kind of output	Unit	England and Wales	Scotland	Great Britain	Northern Ireland
Bread :—					
Sold in loaves	Th. 4-lb. loaves	786,328	162,970	949,298	41,621
	£'000	24,029	4,857	28,886	1,286
Sold in rolls	Th. cwts.	598	458	1,056	51
	£'000	968	718	1,686	57
Loaves and rolls, unclassified and unleavened bread :—					
Weight stated	Th. cwts.	168	11	179	—
	£'000	177	11	188	—
Weight not stated	£'000	69	1	70	—
Rusks*	Th. cwts.	185	43	228	—
	£'000	179	47	226	—
Cake sold by weight	Th. cwts.	750	60	810	12
	£'000	1,973	340	2,313	39
Pastries, buns, scones, etc., (including cake not sold by weight)	£'000	14,905	4,017	18,922	783
Cake and pastries, etc., unclassified	£'000	1,336	139	1,475	—
Bread, cakes and pastries, etc., unclassified	£'000	358	412	770	—
Self-raising flour	Th. cwts.	1,893	25	1,918	2
	£'000	1,676	27	1,703	2
Ice-cream, including water ices	Th. galls.	6,225	91	6,316	—
	£'000	2,427	30	2,457	—
Mince-meat*	Th. cwts.	1	—	1	—
	£'000	1	—	1	—
Fruit puddings*	Th. cwts.	104	—	104	—
	£'000	309	—	309	—
Biscuits for human consumption	£'000	146	301	447	27

Kind of output	Unit	England and Wales	Scotland	Great Britain	Northern Ireland
Cocoa and sugar confectionery (including chocolate confectionery) ...	£'000	139	26	165	5
Preserved meat in tins, glasses, etc. ...	£'000	2	—	2	—
Sausages ...	£'000	173	2	175	—
Meat pies ...	£'000	1,103	466	1,569	3
Other preserved meat (including cooked meats, etc.)	£'000	204	11	215	—
Marmalade, jams and fruit jellies ...	£'000	18	1	19	1
Invalid, infant and breakfast foods ...	£'000	2	†	2	—
Other goods (mainly food products) ...	£'000	183	—	183	—
TOTAL — VALUE OF GOODS MADE ...	£'000	50,377	11,406	61,783	2,203

* So far as recorded separately.

† Less than £500.

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

Kind of materials, etc.	Unit	England and Wales	Scotland	Great Britain	Northern Ireland
Wheat flour ...	<i>Th. sacks of 280 lbs.</i>	10,623	2,226	12,849	562
	£'000	14,814	3,214	18,028	752
Sugar ...	<i>Th. cwts.</i>	1,225.8	275.2	1,501.0	52.2
	£'000	1,176	267	1,443	48
Butter ...	<i>Th. cwts.</i>	98.9	30.3	129.2	2.0
	£'000	434	142	576	10
Animal lard ...	<i>Th. cwts.</i>	63.4	29.3	92.7	1.2
	£'000	181	78	259	3
Compound, margarine and other oils and fats	<i>Th. cwts.</i>	861.4	216.8	1,078.2	35.5
	£'000	1,612	442	2,054	67
Eggs in shell ...	<i>Th. doz.</i>	4,325.1	1,359.3	5,684.4	335.9
	£'000	214	62	276	17
Eggs not in shell ...	<i>Th. cwts.</i>	472.4	106.5	578.9	11.8
	£'000	1,353	316	1,669	34
Dried fruits ...	<i>Th. cwts.</i>	482.9	87.0	569.9	28.7
	£'000	1,002	202	1,204	59
Fuel and electricity used for all purposes:—					
Coal ...	<i>Th. tons</i>	46.7	16.2	62.9	2.4
	£'000	71	16	87	3
Coke ...	<i>Th. tons</i>	197.0	65.6	262.6	12.1
	£'000	283	78	361	21
Heavy fuel oil ...	<i>Th. galls.</i>	10,075	614	10,689	303
	£'000	166	9	175	6
Purchased electricity*	<i>Th. B.T.U. (Kw.-hrs.)</i>	44,908	12,385	57,293	1,674
	£'000	233	57	290	7
All other purchased materials and fuel ...	£'000	6,540	1,502	8,042	179
TOTAL ...	£'000	28,079	6,385	34,464	1,206

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

Table III B.—Consumption of electricity

Electricity consumed	England and Wales	Scotland	Great Britain	Northern Ireland
	Th. B.T.U. (Kw.-hrs.)	Th. B.T.U. (Kw.-hrs.)	Th. B.T.U. (Kw.-hrs.)	Th. B.T.U. (Kw.-hrs.)
Generated in same works ...	328	118	446	75
Generated in other works under same ownership ...	141	13	154	—
Purchased ...	44,767	12,372	57,139	1,674
Total ...	45,236	12,503	57,739	1,749

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

Persons employed	Males		Females		Total	
	Under 18	All ages	Under 18	All ages	Under 18	All ages
England and Wales:—						
Operatives ...	5,160	47,632	3,929	13,414	9,089	61,046
Administrative, etc.*...	896	8,527	2,664	12,407	3,560	20,934
Total ...	6,056	56,159	6,593	25,821	12,649	81,980
Scotland:—						
Operatives ...	1,685	12,079	978	3,727	2,663	15,806
Administrative, etc.*...	250	1,338	1,223	4,494	1,473	5,832
Total ...	1,935	13,417	2,201	8,221	4,136	21,638
Great Britain:—						
Operatives ...	6,845	59,711	4,907	17,141	11,752	76,852
Administrative, etc.*...	1,146	9,865	3,887	16,901	5,033	26,766
TOTAL ...	7,991	69,576	8,794	34,042	16,785	103,618
Northern Ireland:—						
Operatives ...	80	3,133	50	414	130	3,547
Administrative, etc.*...	6	250	15	207	21	457
Total ...	86	3,383	65	621	151	4,004

* Administrative, technical and clerical staff.

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

Week ended	Males and females			
	England and Wales	Scotland	Great Britain	Northern Ireland
January 19	59,051	15,424	74,475	3,492
February 16	59,164	15,485	74,649	3,511
March 16	60,001	15,538	75,539	3,509
April 13	65,402	15,805	81,207	3,517
May 18	67,437	15,742	83,179	3,541
June 15	68,169	15,801	83,970	3,545
July 13	69,094	15,786	84,880	3,588
August 17	69,161	15,758	84,919	3,553
September 14	66,879	15,762	82,641	3,552
October 12	61,046	15,806	76,852	3,547
November 16	61,522	15,992	77,514	3,552
December 14... ..	62,392	16,234	78,626	3,606
Average for the twelve months...	64,110	15,761	79,871	3,543

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

Particulars	England and Wales	Scotland	Great Britain	Northern Ireland
Number of returns received ...	No. 18,815	No. 1,729	No. 20,544	No. 204
Average number of persons employed :—				
Males	53,372	6,912	60,284	395
Females... ..	14,493	1,912	16,405	378
Total	67,865	8,824	76,689	773