

## GRAIN MILLING TRADE

## INTRODUCTORY

This trade comprises firms that were engaged wholly or mainly in the manufacture of flour and meal and in the preparation of animal and poultry feeding stuffs of which grain was the principal ingredient.

Under the Wheat Act, 1932, quota payments have been made by millers to the Wheat Commission since 19th June, 1932, in respect of their output of flour as defined in the Act. The amounts of the quota payments made by millers in 1935, 1934 and 1933 are excluded from the recorded values of the output of wheat meal and flour. The total amount of such payments, as returned by millers for the purposes of the Import Duties Act Inquiries, was approximately £6,264,000 in 1935, £6,120,000 in 1934 and £4,610,000 in 1933.

Table I A.—General summary

Particulars	1935	1934	1933	1930	1924
	£'000	£'000	£'000	£'000	£'000
Value of products (Gross output)...	65,125	57,010	56,206	69,384	97,688
Cost of materials, fuel and electricity used ... ..	53,171	45,889	45,158	60,066	86,798
Amount paid for work given out...	4	5	5	—	—
Net output ... ..	11,950	11,116	11,043	9,318	10,890
	No.	No.	No.	No.	No.
Average number of persons employed ... ..	30,135	28,379	28,297	26,494	30,236
	£	£	£	£	£
Net output per person employed...	397	392	390	352	360
	No.	No.	No.	No.	No.
Number of returns ... ..	477	}	*	{	601
Number of establishments ... ..	502				551

\* Not available.

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

Particulars	1935	1930	1924
Number of returns received ... ..	No. 2,145	No. 2,587	No. 2,308
Average number of persons employed :—			
Males ... ..	7,907	7,386	5,544
Females ... ..	699	330	179
TOTAL ... ..	8,606	7,716	5,723
Number of firms not making returns ... ..	3	143	530



In 1924 the value of the gross output of the small firms making returns was 8.2 per cent. of the total, the principal classes of goods affected being:—

Output	Quantity	Value	Proportion of total value
	Th. tons	£'000	Per cent.
Wheat products:—			
Meal and flour ... ..	39	1,449	1.7
Bran and pollard ... ..	18		
Sharps and middlings ... ..	18		
Oat products ... ..	54	704	30.8
Barley products ... ..	140	1,710	42.0
Maize products ... ..	122	1,436	19.1
Bean meal and flour ... ..	18	215	50.4
Hay and straw, chopped ... ..	...	439	81.1
Crushed oats and other animal and poultry feeding stuffs ... ..	...	2,057	41.0
Other and unclassified products... ..	...	535	...
Grist milling ... ..	...	132*	77.2
TOTAL... ..	...	8,677	8.2

\* Amount received.

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
	No.	£'000	£'000	No.	£
11-24 ... ..	215	5,076	977	3,609	271
25-49 ... ..	136	7,412	1,460	4,627	316
50-99 ... ..	80	12,654	2,340	5,648	414
100-199... ..	40	12,868	2,163	5,238	413
200-299... ..	12	7,832	1,343	2,779	483
300-399... ..	10	7,123	1,610	3,422	471
400-499... ..	6	7,567	1,165	2,731	426
500 and over ... ..	3	4,593	892	2,081	429
TOTAL ... ..	502	65,125	11,950	30,135	397

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 73 1930 49	13,218	2,693	5,753	468
2 ... ..	{ 1935 84 1930 66	12,992	1,998	4,997	400
3 ... ..	{ 1935 37 1930 23	15,974	2,544	6,890	369
4 ... ..	{ 1935 9 1930 15	18,684	2,416	6,131	394
5 ... ..	{ 1935 21 1930 14	3,296	568	1,563	364
6 ... ..	{ 1935 15 1930 26	2,825	344	1,075	320
7 ... ..	{ 1935 9 1930 15	2,017	370	856	432
8 ... ..	{ 1935 21 1930 14	2,921	343	1,054	325
9 ... ..	{ 1935 21 1930 14	1,412	245	801	305
10 and 11 ... ..	{ 1935 14 1930 15	1,104	180	525	343
6 to 11 ... ..	{ 1935 191 1930 177	1,020	210	502	418
12 ... ..	{ 1935 26 1930 46	4,228	818	1,752	467
14 ... ..	{ 1935 46 1930 28	2,327	548	1,354	405
15 ... ..	{ 1935 28 1930 76	1,717	272	896	303
16 ... ..	{ 1935 76 1930 191	9,402	1,956	4,980	393
17 ... ..	{ 1935 191 1930 177	18,694	3,804	9,484	401
18 ... ..	{ 1935 7 1930 10	19,004	2,755	8,062	342
15 to 17 ... ..	{ 1935 7 1930 10	2,925	611	1,421	430
18 ... ..	{ 1935 22 1930 13	4,051	571	1,717	333
TOTAL ... ..	{ 1935 22 1930 13	2,017	306	949	322
15 ... ..	{ 1935 16 1930 9	2,083	137	807	170
16 ... ..	{ 1935 16 1930 9	1,982	313	831	377
17 ... ..	{ 1935 9 1930 10	402	87	297	295
15 to 17 ... ..	{ 1935 10 1930 35	324	55	198	276
18 ... ..	{ 1935 35 1930 37	2,708	455	1,326	343
TOTAL ... ..	{ 1935 37 1930 23	3,031	338	1,243	272
18 ... ..	{ 1935 23 1930 26	2,864	354	1,092	324
TOTAL ... ..	{ 1935 26 1930 23	2,689	236	883	267
TOTAL ... ..	{ 1935 502 1930 430	65,125	11,950	30,135	397
		69,384	9,318	26,494	352

\* For particulars see page xviii.

† Number of returns for 1930.



Table IV.—Sub-divisions of the industry

Millers of	Number of establishments*	Gross output	Value of characteristic products	Net output	Number of persons employed	Net output per person employed
Wheat :—						
Port mills ...	1935 108	39,330	34,480	6,998	16,047	436
	1930 95	43,640	41,766	5,583	14,559	384
Inland mills ...	1935 169	13,514	11,417	2,710	6,838	396
	1930 167	17,182	16,189	2,471	7,096	348
Total—Wheat	1935 277	52,844	45,897	9,708	22,885	424
	1930 262	60,822	57,955	8,054	21,655	372
Maize ...	1935 119	8,360	5,284	1,254	4,125	304
	1930 57	4,190	3,227	482	1,822	265
Oats ...	1935 22	1,124	602	345	914	377
	1930 17	716	503	178	443	403
Rice ...	1935 9	907	833	188	456	411
Other grain and provender ...	1935 75	1,890	...	455	1,755	259
Total—Rice and other grain, etc.	1935 84	2,797	...	643	2,211	291
	1930 94	3,656	...	604	2,574	235
TOTAL	1935 502	65,125	...	11,950	30,135	397
	1930 430	69,384	...	9,318	26,494	352

\* Number of returns for 1930.

*Distribution of output of wheat millers.*—The following table gives detailed particulars of the output in 1935 and 1930 of the groups "Port mills" and "Inland mills", mentioned in the preceding table.

Kind of output	Port mills		Inland mills	
	Quantity	Value	Quantity	Value
Wheat products :—				
Meal and flour* ...	1935 3,059.5	34,480	1935 954.4	11,417
	1930 2,733.7		1930 1,086.6	
Rolled and flaked wheat ...	1935 1.8	41,766	1935 1.9	16,189
	1930 †		1930 †	
Cut and kibbled wheat ...	1935 3.0	41,766	1935 3.0	16,189
	1930 †		1930 †	
Bran and pollard ...	1935 548.7	41,766	1935 149.3	16,189
	1930 549.1		1930 191.0	
Sharps and middlings ...	1935 623.1	41,766	1935 138.9	16,189
	1930 599.8		1930 262.9	
Other by-products ...	1935 15.1	41,766	1935 4.8	16,189
	1930 26.8		1930 6.7	
Total—Wheat products	1935 4,251.2	34,480	1,252.3	11,417
	1930 3,909.4	41,766	1,547.2	16,189
Oat products ...	1935 11.8	112	12.6	103
	1930 11.8	105	11.7	88
Barley products ...	1935 86.8	522	49.1	318
	1930 46.4	311	35.4	258
Maize products ...	1935 426.9	2,214	154.3	804
	1930 83.6	615	38.7	296
Other products ...	1935 ...	2,002	...	872
	1930 ...	843	...	351
TOTAL	1935 ...	39,330	...	13,514
	1930 ...	43,640	...	17,182

\* Including self-raising flour.

† Not recorded separately.

## PRODUCTION

Table V A.—Output of principal products

Kind of output	1935			1934	
	Quantity	Value	Entries	Quantity	Value
Wheat products :—					
Meal and flour* ...	4,054	46,381	919	3,983	41,932
Rolled and flaked wheat ...	5				
Cut and kibbled wheat ...	12				
Bran and pollard ...	703				
Sharps and middlings ...	873				
Other by-products ...	23			26	
Total—Wheat products	5,670	46,381	919	5,575	41,932
Oat products :—					
Meal ...	44.7	1,091	208	57.8	1,244
Groats, rolled oats and similar products ...	27.0				
By-products ...	27.8				
Total—Oat products ...	99.5	1,091	208	120.3	1,244
Barley products :—					
Meal and flour ...	255.1	1,635	336	208.6	1,424
Pearled barley ...	5.5	79	17	2.7	44
Total—Barley products	260.6	1,714	...	211.3	1,468
Maize products (excluding maize starch) :—					
Flaked maize, whether cooked or not :—					
For human consumption	16.7	137	10	1,283.5	7,175
Not for human consumption ...	700.5	3,734	71		
Meal and flour and other milled products of maize	974.4	4,934	332		
Total—Maize products	1,691.6	8,805	...	1,283.5	7,175
Rice and rice products :—					
Rice flour ...	20.6	163	14	31.4	271
Rice, ground or granulated	14.1	139	14		
Cleaned rice :—					
Whole ...	33.5	495	7	38.3	38
Broken, and mixtures of whole and broken ...	6.9	61	5		
Rice meal and dust ...	5.7	23	11		
Flaked rice ...	1.2†	18†	5		
Total—Rice and rice products ...	82.0	899	...	69.7	658



Kind of output	1935			1934	
	Quantity	Value	Entries	Quantity	Value
	Th. tons	£'000	No.	Th. tons	£'000
Rye meal and flour ...	2.1	15	18	1.9	12
Other meal, flour and by-products :—					
Bean meal and flour ...	13.3	101	169	14.1†	107‡
Pea meal and flour ...	6.2	62	96	6.4†	65‡
Other kinds ...	10.5	93	29	18.3	147
Split peas ...	5.9	72	19	6.7	85
Animal and poultry feeding stuffs, not elsewhere specified :—					
Crushed oats ...	84.7	636	280	65.5†	488‡
Poultry foods and mashes...	299.2	2,344	246	199.6†	1,537‡
Cattle and pig meal returned as such† ...	87.8	637	93	269.5	1,807
Other kinds ...	264.6	1,767	130		
Split lentils† ...	5.8	82	4	6.3	87
Split beans† ...	0.5	3	16	†	†
Screenings, not included elsewhere ...	9.0	37	28	4.3	21
Other manufactured cereals, not specified above ...	3.2	23	5	5.0	60
TOTAL—Milled products ...	...	64,762	...	...	56,893
Hay and straw, chopped ...	28.5	126	59	17.4	73
Peat and moss litter ...	65.5	88	14	53.9†	65‡
Milling and other work done on commission ...	...	29§	141	...	26§
TOTAL — PRINCIPAL PRODUCTS ...	...	65,005	...	...	57,057

\* Including 82,000 tons of self-raising flour valued at £1,315,000 in 1935, and 80,000 tons, valued at £1,198,000 in 1934. For the output of self-raising flour by firms not engaged in milling see the Bread, Cakes, etc., Trade, (page 45).

† Not recorded separately.

‡ So far as recorded separately.

§ Amount received.

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			1934	
	Quantity	Value	Entries	Quantity	Value
	Th. tons	£'000	No.	Th. tons	£'000
Wheat products ...	3.1	23	7	2.6	17
Oat products ...	3.1	29	5	1.3	18
Barley products ...	2.3	30	8	9.0	86
Maize products ...	23.1	122	8	28.4	168
Other goods ...	...	57	18	...	19
TOTAL ...	...	261	...	...	308

Millers were required to return the quantities of each specified kind of wheat and oat product separately, but a combined figure of value was accepted in cases where separate values could not be given. Separate particulars of both quantities and values were furnished in respect of the following output:—

Kind of output	1935			1934		
	Quantity	Value	Average value	Quantity	Value	Average value
	Th. tons	£'000	£ per ton	Th. tons	£'000	£ per ton
Wheat products :—						
Meal and flour, excluding self-raising flour ...	1,622	14,812	9.13	1,603	13,021	8.12
Rolled and flaked wheat...	4	25	7.23			
Cut and kibbled wheat ...	9	59	6.74			
Bran and pollard ...	197	1,210	6.15			
Sharps and middlings ...	285	1,737	6.08	213	1,247	5.85
Other by-products ...	12	63	5.29	14	64	4.68
TOTAL—Wheat products	2,129	17,906	8.41	2,095	15,883	7.58
Oat products :—						
Meal ...	39	400	10.26	53	504	9.46
Groats, rolled oats and similar products ...	23	468	20.08	33	557	16.82
By-products ...	26	82	3.21	25	89	3.56
TOTAL—Oat products	88	950	10.82	111	1,150	10.32



Table V B.—Output of certain principal products, 1924-1935

Kind of output	1924	1930	1933	1934	1935
Wheat products ...	<i>Th. tons</i> 5,927	5,502	5,577	5,575	5,670
	<i>£'000</i> 82,670	58,542	43,291*	41,932*	46,381*
Oat products ...	<i>Th. tons</i> 109.3	86.4	113.3	120.3	99.5
	<i>£'000</i> 1,562	1,010	1,146	1,244	1,091
Barley products ...	<i>Th. tons</i> 204.5	178.8	205.6	211.3	260.6
	<i>£'000</i> 2,362	1,225	1,309	1,468	1,714
Maize products ...	<i>Th. tons</i> 544.4	630.8	1,162.0	1,283.5	1,691.6
	<i>£'000</i> 6,088	4,605	6,165	7,175	8,805
Rice and rice products ...	<i>Th. tons</i> 51.6	45.1	49.8	69.7	82.0
	<i>£'000</i> 857	624	513	658	899
Bean meal and flour	<i>Th. tons</i> 17.7	15.8	13.9	14.1	13.3
	<i>£'000</i> 210	152	106	107	101
Pea meal and flour	<i>Th. tons</i> 11.6	4.3	6.0	6.4	6.2
	<i>£'000</i> 131	42	52	65	62
Animal and poultry feeding stuffs, not elsewhere specified ...	<i>Th. tons</i> ...	278.6	455.1	534.6	736.3
	<i>£'000</i> 2,962	2,309	3,154	3,832	5,384
Other principal products	<i>£'000</i> 1,383	797	560	576	568
TOTAL—PRINCIPAL PRODUCTS	<i>£'000</i> 98,225	69,306	56,296	57,057	65,005

\* Excluding quota payments, see introductory paragraph (page 23).

Table V C.—Consumption of wheat flour

The estimated quantities of wheat flour used in the Bread, Cakes, etc., Trade (including the small firms) and the Biscuit Trade in 1935, 1930 and 1924 are shown in the following table.

Trade	1935	1930	1924
	<i>Th. tons</i>	<i>Th. tons</i>	<i>Th. tons</i>
Bread, cakes, etc. :—			
For the manufacture of bread ...	2,340	2,250	2,200
For the manufacture of cakes, pastries, etc. ...	275	265	230
Biscuit ...	148	115	90
TOTAL—Bread, Cakes, etc., and Biscuit Trades ...	2,763	2,630	2,520
Wheat flour :—			
Total production ...	4,954	3,850	4,174
Exports ...	130	201	319
Retained imports ...	399	578	531
Amount available for consumption ...	4,323	4,227	4,386

The quantities used in these two trades formed 63.2 per cent. of the total available supply of wheat flour in 1935, compared with 62.5 per cent. in 1930 and 56.3 per cent. in 1924.

Additional particulars of the industrial consumption of flour were obtained, for the year 1935 only, as follows:—

	<i>Th. tons</i>
Wheat flour used by firms in :—	
The Cattle Foods Trade ...	69.7
The Textile Finishing Trade ...	1.7

Table VI.—Average values of goods produced, exported and imported

Kind of goods	Production (at factory)		Exports (f.o.b.)	Imports (c.i.f.)			
	Average value			Average value			
	1935	1934	1935	1934	1935	1934	
	<i>£</i>	<i>£</i>	Per cent. of 1934	<i>£</i>	<i>£</i>	<i>£</i>	<i>£</i>
	per ton	per ton		per ton	per ton	per ton	per ton
Wheat products* ...	8.18	7.52	108.8	†	†	†	†
Oat products ...	10.96	10.34	106.0				
Barley products :—							
Meal and flour ...	6.41	6.83	93.9	15.40	21.66	5.93	6.54
Pearled barley ...	14.32	16.17	88.5	48.46	49.29	8.43	6.86
Maize products (except starch) :—							
Flaked maize for human consumption	8.20						
Flaked maize not for human consumption	5.33		†	†	†	†	†
Meal and flour and other milled products	5.06						
Maize products (except starch) ...	5.21	5.59	93.1	6.22	7.37	6.09	5.54
Rice and rice products :—							
Flour ...	8.70	8.63	100.8	11.25	11.01	11.73	10.42
Meal and dust ...	4.03	3.92	102.7			3.60	3.14
Cleaned rice, whole ...	14.78	11.32	130.6	10.23	9.78	10.52	10.08
Cleaned rice, broken, and mixtures of whole and broken...	8.73	6.89	126.8			5.76	5.10
Rye meal and flour ...	7.25	6.56	110.5				
Bean meal and flour ...	7.60	7.56	100.5				
Pea meal and flour ...	10.07	10.20	98.6				
Split peas ...	12.26	12.64	97.0	11.79	12.20	14.94	14.56
Crushed oats ...	7.52	7.45	100.9				
Poultry foods and mashes	7.83	7.70	101.8				
Split lentils ...	14.22	13.84	102.8				

\* Excluding quota payments, see introductory paragraph (page 23). Including the quota payments the average value of the wheat products, as sold, would be £9.29 per ton in 1935 and £8.62 in 1934.

† In the absence of complete information regarding the net selling value of each class of wheat and oat product specified in Table V A, it is not possible to make a direct comparison of average production values with those of exports and imports. The average values of the exports and imports of the principal classes of wheat and oat products were as follows:—

Kind of goods	Exports (f.o.b.)		Imports (c.i.f.)	
	1935	1934	1935	1934
	<i>£</i>	<i>£</i>	<i>£</i>	<i>£</i>
	per ton	per ton	per ton	per ton
Wheat products :—				
Meal and flour ...	8.54	7.86	8.07	6.67
Bran and pollard ...	6.50	6.70	4.45	4.25
Sharps and middlings ...	7.50	7.18	4.58	4.10
Oat products :—				
Meal ...	33.29	33.53	10.24	8.69
Other sorts (including groats and rolled oats) ...	27.54	26.62	22.77	17.55

† Not recorded separately.



Table VII.—Volume of Production, 1924-1935

Kind of output	Total production			Production index (1935 = 100)			
	1935 as returned	1934		1924	1930	1933	1934
		As returned	At 1935 average values				
	£'000	£'000	£'000	Per cent.	Per cent.	Per cent.	Per cent.
Wheat products ...	46,381	41,932	45,603	104	97	98	98
Oat products ...	1,091	1,244	1,319	108	90	120	121
Barley products:—							
Meal and flour ...	1,635	1,424	1,337	77	69	79	82
Pearled barley ...	79	44	39	155	63	50	49
Maize products ...	8,805	7,175	6,680	29	37	69	76
Rice and rice products ...	899	658	774	64	53	58	86
Bean meal and flour ...	101	107	108	135	120	105	107
Pea meal and flour ...	62	65	64	188	71	98	103
Rye meal and flour ...	15	12	13		53	40	87
Other meal, flour and by-products ...	93	147	161	444			
Split peas ...	72	85	82	249	412	214	173
Animal and poultry feeding stuffs not elsewhere specified ...	5,384	3,832	3,909	36	38	62	73
Screenings, not elsewhere included ...	37	21	18	235	169	73	49
Other manufactured cereals	108	147	124	107	65	131	115
TOTAL—MILLED PRODUCTS ...	64,762	56,893	60,231	88	83	91	93
Hay and straw, chopped ...	126	73	76	54	81	51	60
Peat and moss litter ...	88	65	72	57	79	80	82
Milling and other work done on commission...	29	26	27	59	211	104	93
TOTAL ...	65,005	57,057	60,406	88	83	91	93

Table VIII.—Production in relation to Exports and Imports

Kind of goods	Production	Exports	Proportion of production exported	Retained imports	Available for use in the United Kingdom	Share of home market held by British goods
Wheat products:—						
Meal and flour ...	1935 4,054	130	3.2	399	4,323	90.8
Bran and pollard ...	1934 3,983	145	3.6	469	4,307	89.1
Sharps and middlings ...	1935 703	3	0.5	425	1,124	62.2
	1934 724	4	0.5	387	1,107	74.0
	1935 873	0	0.0	172	1,045	83.5
	1934 842	0	0.0	245	1,087	77.5

For products of other descriptions of grain the output recorded for both years is probably deficient owing to the omission of the small firms. For these products, therefore, only the figures for exports and imports are given.

Kind of goods	Exports		Retained Imports	
	1935	1934	1935	1934
	Th. tons	Th. tons	Th. tons	Th. tons
Oat products:—				
Meal ...	0.7	0.7	2.1	3.5
Other sorts (including groats and rolled oats) ...	1.0	1.0	18.6	23.6
Barley products:—				
Meal and flour ...	0.3	0.2	0.6	0.1
Pearled barley ...	0.5	0.5	6.3	9.6
Maize meal and flour and other milled products of maize (excluding maize starch) ...	7.6	5.3	212.9	116.6
Rice, husked or cleaned ...	0.9	1.1	102.7	121.1
Rice flour ...	1.4	1.7	0.7	1.1
Rice meal and dust ...	...	...	263.6	271.5
Split peas ...	2.7	3.1	2.2	2.4

Table IX.—Other output of the Grain Milling Trade

The value of the gross output of the firms whose returns were made on schedules for the Grain Milling Trade was £65,125,000 in 1935 and £57,010,000 in 1934, of which £64,744,000 in 1935 and £56,749,000 in 1934 consisted of products included in Table V A. Particulars of the remaining items are shown below.

Kind of output	1935		1934	
	Quantity	Value	Quantity	Value
	Th. tons	£'000	Th. tons	£'000
Oil seed cake and meal (ground or mixed) ...	8.1	66	10.5	83
Compound cake and meal:—				
Sweetened ...	28.9	179	16.1	99
Not sweetened ...	1.0	7		
Other output ...	...	129	...	79
TOTAL ...	...	381	...	261



## MATERIALS AND FUEL

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

Kind of materials, etc.	1935		1934	
	Quantity	Cost	Quantity	Cost
	Th. tons	£'000	Th. tons	£'000
Wheat ... ..	765	4,255	608	3,105
... .. { home-grown				
... .. { imported	4,867	31,605	4,860	27,813
Oats ... ..	144	912	146	888
... .. { home-grown				
... .. { imported	70	427	68	431
Barley ... ..	26	167	20	133
... .. { home-grown				
... .. { imported	275	1,396	214	1,104
Maize ... ..	1,751	7,501		
Wheat flour purchased and blended with millers' own products ... ..	28	235		
Fuel and electricity used for all purposes :—				
Coal ... ..	368.2	352		
Coke ... ..	7.3	9		
Heavy fuel oil ... ..	1,199	25		
	Th. galls.			12,415
	Th. B.T.U. (Kw.-hrs.)			
Purchased electricity* ... ..	201,692	5,439		
All other purchased materials and fuel ... ..		848		
TOTAL ... ..		53,171		45,889

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

The following figures show the quantities of home-grown and imported wheat used in the United Kingdom in 1933, 1934 and 1935 in relation to the estimated total amount of wheat available for all purposes. For the estimate of the amount of the home crop available, it is assumed that one-fourth of the crop was used in the year of production and the remainder in the following year.

Wheat used	1935	1934	1933
Home-grown wheat :—	Th. tons	Th. tons	Th. tons
Total supply ... ..	1,840	1,721	1,294
Exports ... ..	7	8	3
Amount of home crop available ... ..	1,833	1,713	1,291
Used in Grain Milling Trade ... ..	705	608	506
Proportion used for milling ... ..	Per cent. 41.7	Per cent. 35.5	Per cent. 39.2
Imported wheat :—	Th. tons	Th. tons	Th. tons
Retained for home consumption ... ..	5,032	5,087	5,593
Increase or decrease in stocks at principal ports	—150	—80	+320
Amount of imported wheat available ... ..	5,182	5,167	5,273
Used in Grain Milling Trade ... ..	4,867	4,860	4,968
Proportion used for milling ... ..	Per cent. 93.9	Per cent. 94.1	Per cent. 94.2

Of the total quantities of wheat used in the Grain Milling Trade, the following proportions consisted of home-grown wheat:—

	Per cent.
1933 ... ..	9.2
1934 ... ..	11.1
1935 ... ..	13.6

Table X B.—Consumption of coal, coke and electricity in 1935 and 1930

Kind of fuel	1935	1930
		Th. tons
Coal ... ..	368.2	374.5
Coke ... ..	7.3	6.5
	Th. B.T.U. (Kw.-hrs.)	Th. B.T.U. (Kw.-hrs.)
Electricity :—		
Generated in same works ... ..	33,490	23,938
Generated in other works under same ownership ... ..	1,401	56
Purchased ... ..	200,291	114,421
Total electricity consumed ... ..	235,182	138,415

## EMPLOYMENT

Table XI A.—Average numbers employed in 1935 and 1934

Persons employed	Males		Females		Total	
	Under 18	All ages	Under 18	All ages	Under 18	All ages
	Operatives (average for the year) ... ..	913	21,346	205	1,497	1,118
Administrative, technical and clerical staff* ... ..	699	20,092	199	1,492	898	21,584
	1935	1934	1935	1934	1935	1934
	305	5,917	128	1,375	433	7,292
	242	5,478	98	1,317	340	6,795
TOTAL ... ..	1,218	27,263	333	2,872	1,551	30,135
	941	25,570	297	2,809	1,238	28,379

\* As at 12th October, 1935, and 13th October, 1934.

Table XI B.—Operatives employed in one week in each month of 1934 and 1935 by firms furnishing returns in respect of the twelve months ended December

Mid week of*	Operatives employed		Monthly index†		
	1934	1935	1933	1934	1935
January ... ..	5,457	6,991	92.4	93.8	98.7
February ... ..	5,447	7,051	93.6	93.7	99.5
March ... ..	5,540	7,057	94.2	95.3	99.6
April ... ..	5,590	7,081	95.6	96.1	99.9
May ... ..	5,510	7,102	94.4	94.7	100.3
June ... ..	5,378	6,969	93.8	92.5	98.4
July ... ..	5,505	7,088	94.1	94.7	100.1
August ... ..	5,512	7,117	94.7	94.8	100.5
September ... ..	5,500	7,124	94.5	94.6	100.6
October ... ..	5,509	7,119	96.4	94.7	100.5
November ... ..	5,482	7,168	95.3	94.3	101.2
December ... ..	5,505	7,134	95.4	94.7	100.7
Average for the twelve months	5,495	7,083	94.5	94.5	100.0
Proportion of total operatives represented ... ..	25.46	31.01	...	...	...

\* 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 ... ..	23,740	6,496	30,236
1930 ... ..	20,500	5,994	26,494
1933 ... ..	21,594	6,703	28,297
1934 ... ..	21,584	6,795	28,379
1935 ... ..	22,843	7,292	30,135

## WAGES

Table XII.—Wages paid by firms furnishing returns of wages in 1935 and 1930

The aggregate amount of wages paid by firms furnishing returns of wages was £2,503,000 in 1935 representing 28.4 per cent. of the net output of these firms, the corresponding figures for 1930 being £2,105,000 and 32.5 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 ... ..	48,518	74.5	48,927	70.5
Net output ... ..	8,810	73.7	6,469	69.4
Operative staff employed :—	No.		No.	
During mid-week of October :—				
Males ... ..	15,450	71.8	}	*
Females ... ..	1,063	70.5		
Total ... ..	16,513	71.7	13,517	65.9
Average for the year ... ..	16,340	71.5	13,407	65.4
Administrative, technical and clerical staff ... ..	5,026	68.9	*	*
Number of establishments ... ..	303	60.4	...	...

\* 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 Grain Milling Trade.

Table I.—General summary

Particulars	Unit	England and Wales	Scotland	Great Britain	Northern Ireland
Value of products (Gross output) ... ..	£'000	57,536	4,725	62,261	2,864
Cost of materials, fuel and electricity used ... ..	"	46,698	3,964	50,662	2,509
Amount paid for work given out ... ..	"	3	—	3	1
Net output ... ..	"	10,835	761	11,596	354
Average number of persons employed ... ..	No.	26,768	2,275	29,043	1,092
Net output per person employed ... ..	£	405	335	399	324
Number of returns ... ..	No.	402	52	454	23
Number of establishments ... ..	"	422	57	479	23

Table II.—Output

Kind of output	Unit	England and Wales	Scotland	Great Britain	Northern Ireland
Wheat products :—					
Meal and flour ... ..	Th. tons	3,712	263	3,975	79
Rolled and flaked wheat ... ..	Th. tons	3	1	4	1
Cut and kibbled wheat ... ..	Th. tons	11	1	12	
Bran and pollard ... ..	Th. tons	622	54	676	25
Sharps and middlings ... ..	Th. tons	821	42	863	10
Other by-products ... ..	Th. tons	21	1	22	
Total—Wheat products {	Th. tons £'000	5,190 42,468	362 3,010	5,552 45,478	115 880
Oat products :—					
Meal ... ..	Th. tons	15.5	23.3	38.8	3.4
Groats, rolled oats and similar products ... ..	Th. tons	11.0	10.9	21.9	4.9
By-products ... ..	Th. tons	3.6	19.5	23.1	4.3
Total—Oat products {	Th. tons £'000	30.1 338	53.7 584	83.8 922	12.6 140
Barley products :—					
Meal and flour ... ..	Th. tons £'000	240.1 1,540	5.7 36	245.8 1,576	7.4 46
Pearled barley ... ..	Th. tons £'000	1.5 19	3.6 43	5.1 62	— —
Total—Barley products {	Th. tons £'000	241.6 1,559	9.3 79	250.9 1,638	7.4 46



Kind of output	Unit	England and Wales	Scotland	Great Britain	Northern Ireland
Maize products (excluding maize starch) :—					
Flaked maize, whether cooked or not :—					
For human consumption ...	Th. tons	16.7	—	16.7	—
Not for human consumption ...	£'000	137	—	137	—
Meal and flour and other milled products of maize	Th. tons	575.3	23.4	598.7	89.1
	£'000	3,041	138	3,179	486
	Th. tons	707.2	46.3	753.5	210.3
	£'000	3,552	249	3,801	1,080
Total—Maize products	Th. tons	1,299.2	69.7	1,368.9	299.4
	£'000	6,730	387	7,117	1,566
Rice and rice products :—					
Rice flour ...	Th. tons	14.8	5.8	20.6	—
	£'000	119	44	163	—
Rice, ground or granulated	Th. tons	12.6	1.5	14.1	—
	£'000	123	16	139	—
Cleaned rice :—					
Whole ...	Th. tons	33.5†	—	33.5†	†
	£'000	495†	—	495†	—
Broken, and mixtures of whole and broken	Th. tons	6.9	—	6.9	—
	£'000	61	—	61	—
Rice meal and dust	Th. tons	5.6	0.1	5.7	—
	£'000	23		23	—
Flaked rice ...	Th. tons	*	*	1.2	—
	£'000			18	—
Rye meal and flour ...	Th. tons	2.1	§	2.1	—
	£'000	15		15	—
Other meal, flour and by-products :—					
Bean meal and flour	Th. tons	4.1	8.5	12.6	—
	£'000	30	65	95	—
Pea meal and flour	Th. tons	2.9	3.2	6.1	—
	£'000	22	34	56	—
Other kinds ...	Th. tons	*	*	10.3	—
	£'000			91	—
Split peas ...	Th. tons	*	*	5.9	—
	£'000			72	—
Animal and poultry-feeding stuffs, not elsewhere specified :—					
Crushed oats ...	Th. tons	75.3†	5.3	80.6†	†
	£'000	568†	37	605†	—
Poultry food and mashes ...	Th. tons	276.5	15.6	292.1	7.1
	£'000	2,161	121	2,282	62
Cattle and pig meal returned as such	Th. tons	76.9	9.8	86.7	—
	£'000	566	63	629	—
Other kinds ...	Th. tons	226.6	15.6	242.2	22.0
	£'000	1,512	107	1,619	146
Split lentils ...	Th. tons	*	*	5.8	—
	£'000			82	—
Split beans ...	Th. tons	0.5	—	0.5	—
	£'000	3	—	3	—
Screenings, not included elsewhere ...	Th. tons	*	*	8.8	—
	£'000			36	—
Other manufactured cereals, not specified above	Th. tons	3.2†	—	3.2†	†
	£'000	23†	—	23†	—
Hay and straw, chopped	Th. tons	26.4	2.1	28.5	—
	£'000	116	10	126	—
Peat and moss litter	Th. tons	54.6	10.9	65.5	—
	£'000	75	13	88	—

Kind of output	Unit	England and Wales	Scotland	Great Britain	Northern Ireland
Oil seed cake and meal (ground or mixed)	Th. tons	5.5	1.8	7.3	0.8
	£'000	45	14	59	7
Compound cake and meal :—					
Sweetened ...	Th. tons	*	*	28.9	—
	£'000			179	—
Not sweetened ...	Th. tons			1.0†	†
	£'000			7†	—
Other output ...	Th. tons	74	43	117	12
Milling and other work done on commission ...	£'000	24¶	5¶	29¶	
TOTAL—VALUE OF GOODS MADE AND WORK DONE	£'000	57,536	4,725	62,261	2,864

|| Less than 500.

† Owing to the possible disclosure of information relating to individual firms, the output in Northern Ireland has been included with that for England and Wales.

\* Owing to the possible disclosure of information relating to individual firms, separate particulars cannot be given.

§ Less than 50 tons.

¶ Amount received.

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

Kind of materials, etc.	Unit	England and Wales	Scotland	Great Britain	Northern Ireland
Wheat ...					
home-grown	Th. tons	738	26	764	1
	£'000	4,114	137	4,251	4
imported	Th. tons	4,422	334	4,756	111
	£'000	28,572	2,342	30,914	691
Oats ...					
home-grown	Th. tons	60	67	127	17
	£'000	393	424	817	95
imported	Th. tons	68	1	69	1
	£'000	416	5	421	6
Barley ...					
home-grown	Th. tons	23	3	26	—
	£'000	146	21	167	—
imported	Th. tons	256	8	264	11
	£'000	1,293	45	1,338	58
Maize ...	Th. tons	1,369	75	1,444	307
	£'000	5,793	321	6,114	1,387
Wheat flour purchased and blended with millers' own products ...	Th. tons	26	2	28	*
	£'000	224	9	233	2
Fuel and electricity used for all purposes :—					
Coal ...	Th. tons	316.6	32.3	348.9	19.3
	£'000	306	25	331	21
Coke ...	Th. tons	5.6	1.7	7.3	—
	£'000	7	2	9	—
Heavy fuel oil ...	Th. galls.	983	131	1,114	85
	£'000	20	3	23	2
Purchased electricity † ...	Th. B.T.U (Kw.-hrs.)	184,896	8,865	193,761	7,931
	£'000	402	20	422	17
All other purchased materials and fuel ...	£'000	5,012	610	5,622	226
TOTAL ...	£'000	46,698	3,964	50,662	2,509

\* Less than 500 tons.

† 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 ...	31,981	750	32,731	759
Generated in other works under same ownership ...	1,401	—	1,401	—
Purchased ...	183,495	8,865	192,360	7,931
<b>TOTAL ...</b>	<b>216,877</b>	<b>9,615</b>	<b>226,492</b>	<b>8,690</b>

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
<b>England and Wales :—</b>						
Operatives ...	837	19,036	189	1,361	1,026	20,397
Administrative, etc.* ...	280	5,298	113	1,179	393	6,477
<b>Total ...</b>	<b>1,117</b>	<b>24,334</b>	<b>302</b>	<b>2,540</b>	<b>1,419</b>	<b>26,874</b>
<b>Scotland :—</b>						
Operatives ...	44	1,605	12	105	56	1,710
Administrative, etc.* ...	18	436	11	148	29	584
<b>Total ...</b>	<b>62</b>	<b>2,041</b>	<b>23</b>	<b>253</b>	<b>85</b>	<b>2,294</b>
<b>Great Britain :—</b>						
Operatives ...	881	20,641	201	1,466	1,082	22,107
Administrative, etc.* ...	298	5,734	124	1,327	422	7,061
<b>TOTAL ...</b>	<b>1,179</b>	<b>26,375</b>	<b>325</b>	<b>2,793</b>	<b>1,504</b>	<b>29,168</b>
<b>Northern Ireland :—</b>						
Operatives ...	39	868	5	41	44	909
Administrative, etc.* ...	7	183	4	48	11	231
<b>Total ...</b>	<b>46</b>	<b>1,051</b>	<b>9</b>	<b>89</b>	<b>55</b>	<b>1,140</b>

\* 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 ...	20,277	1,676	21,953	872
February 16 ...	20,433	1,729	22,162	847
March 16 ...	20,431	1,733	22,164	859
April 13 ...	20,079	1,717	21,796	831
May 18 ...	20,225	1,693	21,918	829
June 15 ...	20,253	1,637	21,890	814
July 13 ...	20,098	1,669	21,767	840
August 17 ...	20,146	1,660	21,806	873
September 14 ...	20,348	1,679	22,027	916
October 12 ...	20,397	1,710	22,107	909
November 16 ...	20,370	1,715	22,085	874
December 14 ...	20,436	1,670	22,106	866
<b>Average for the twelve months...</b>	<b>20,291</b>	<b>1,691</b>	<b>21,982</b>	<b>861</b>

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. 1,621	No. 298	No. 1,919	No. 226
Average number of persons employed :—				
Males ...	6,467	863	7,330	577
Females ...	583	85	668	31
<b>Total ...</b>	<b>7,050</b>	<b>948</b>	<b>7,998</b>	<b>608</b>