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BOARD OF TRADE

# THE REPORT on the CENSUS OF PRODUCTION FOR 1951

Volume 8

Trade A

GRAIN MILLING

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

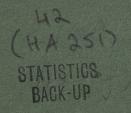
1955

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\* Not applicable to this trade



# BOARD OF TRADE

The Report on the Census of Production for 1951 Volume 8, Trade A - Grain Milling

# ERRATUM

Page 8/A/6 - TABLE 8 - United Kingdom, 1951

Peat and peat moss litter, etc.:-	Value £'000	Entries No.
Delete Substitute	13 337	337 13
LONDON: HER MAJESTY'S STATIONERY	OFFICE:	1955

#### GRAIN MILLING TRADE

THIS REPORT on the Grain Milling Trade relates to establishments engaged wholly or mainly in milling wheat (including the production of self-raising and patent flour at milling establishments), in milling, flaking or rolling barley, oats, rye, rice, etc., in splitting or grinding peas, beans lentils, soya beans, sago, tapioca, in manufacturing ready-to-eat breakfast cereals such as cornflakes or puffed or shredded wheat, or in making peat or peat moss litter.

This trade corresponds to minimum list heading 150 and part of heading 199(3) in the Standard Industrial Classification.

IMPORTANT NOTES and definitions appear on the inside of the back cover of this report. In interpreting the data in the following tables, it is essential to bear these in mind.

Summary: Larger establishments (a)

	Uni	ted Kingdom		Great E	Britain	United	Kingdom
	1951	1950	1949	1949	1948	1937	1935
	£,000	£'000	£'000	£,000	£'000	£,000	£,000
Gross output (production) (b)	203,058	168,446	144,446	132,742	119,950	93,930(c)	65,805(c)
Cost of materials and fuel used (c) (d)	164,907	140,418	114,800	104,896	95,528	80,424	53,288
Payment for work done on materials given out Transport payments (e)	13 7,863	8	9	9	8	4	. 4
Net output (c)	30,274	28,020	29,637	27,837	24,414	13,502	12,513
Wages and salaries of persons employed	12,689	11,372	11,137	10,546	9,813		
Average number of persons employed (f)	No. 31,998	No. 31,597	No. 31,450	No. 29,615	No. 29,124	No. 30,857	No. 30,451
Micrago mambos or process	£	£	£	£	£	£	£
Net output per person employed (f)	946 £'000	887 £'000	942 £'000	940 £'000	£,000 838	438 £'000	411 £'000
Stocks at end of year							
Products on hand for sale and work in progress Materials and fuel	5,373 17,290	3,778 13,787 No.	3,301 12,287 No.	3,045 11,839 No.	2,159 8,473 No.	No.	No.
Number of establishments	No. 355	359	367	339	338	No.	502

The values of gross output and of materials and fuel used are derived in the following way:-										
A REGION OF THE REAL PROPERTY OF THE PARTY O	£,000	£,000	£,000	£,000	£,000	£.000	£,000			
Output of firms in this trade (g)										
Principal products (h) Other output (i)	199,671 1,838	} 171,452	147,094	135,384	122,671 601	93,677 253	65,556 249			
Changes in stocks and work in progress (j)	+ 1,549	+ 467	+ 846	t 802	- 125					
	203,058	171,919	147,940	136,186	123,148					
Less payment for transport outwards (e)		3,472	3, 493	3,444	3,198	93,930 65,8	65,805			
Gross output (production)	203,058	168,446	144,446	132,742	119,950	93,930	65,805			
Materials and fuel used by firms in this trade										
Purchases (c) Changes in stocks (j)	168,465 - 3,558	141,810	117,841 - 3,042	107,878	94,618	80,424	53,288			
Materials and fuel used	164,907	140,418	114,800	104,896	95,528	80,424	53,288			

(a) For small firms' summary see Table 2.
 (b) Gross output for 1951 includes payments to other firms and undertakings and to firms' own separate transport organisations for transport services. For other years payments for transport services outwards on finished

goods sold are excluded.

(c) For the post-war years, cost of materials and fuel and value of net output take into account net amounts of rebates and allowances received from the Ministry of Food in respect of price differences, as follows:-

	1951		1950	1949	1948	
Rebates and allowances	Payments to the Ministry of Food	Net amount received	Net amount received			
£'000	£,000	£,000	€,000	£,000	£,000	
75,572	883	74,689	64,733	76,732	60,000	

The amounts for 1951, 1950 and 1949 relate to the United Kingdom, the amount (estimated) for 1948 to Great

The amounts for 1951, 1950 and 1949 relate to the United Kingdom, the amount (estimated) for 1948 to Great Britain.

For 1937 and 1935, the values of gross output and net output are exclusive of the amounts of quota payments made to the Wheat Commission, in respect of wheat meal and flour produced, amounting to about £735,000 in 1937 and £6,264,000 in 1935.

(d) Amounts paid for delivery services are excluded for 1951 but included for other years.

(e) Payments to other firms and undertakings and to firms' own separate transport organisations. For 1951 they cover payments for transport of both goods sold and materials and fuel purchased. For other years payments cover only transport outwards of finished goods sold.

(f) Including working proprietors. For an estimate of the total number of persons employed in this trade see Table 3.

(g) Total value of sales (1951, 1950, 1949 and 1948) or production for sale (1937 and 1935)

Table 3.

(g) Total value of sales (1951, 1950, 1949 and 1948) or production for sale (1937 and 1935).

(h) For details for 1951 and 1948 see Table 8.

(i) For details for 1951 and 1948 see Table 10.

(j) For details for 1951 see Table 21.

Summary

Small firms (a)

	Great E	Great Britain		Great Britain	
*	1951	1950 (ъ)	1949	1949	1948
number of returns	771	776	900	816	943
verage number of persons employed (c) Males Females	2,998	3,014	3,538 528	3,318 511	3.767 458
Total	3,394	3,446	4,066	3,829	4,225

(a) Small firms (employing on the average ten or fewer persons) that made satisfactory returns. No information about small firms was collected in Northern Ireland for 1951 or 1950.(b) Corrected figures.

(c) Including working proprietors.

#### Estimated average employment (a)

#### All firms

	Uni	ted Kingdom	Great Britain		
	1951	1950	1949	1949	1948
As returned by firms  Employing on the average more than ten persons (b)  Employing on the average ten or fewer persons (c)	31,998 3,394(d)	31,597 3,446(d)	31,450 4,066	29,615 3,829	29,124 4,225
Estimated average employment in firms not making satisfactory returns	35,392 210	35,043 183	35,516 167	33,444	33,349 728
Estimated average employment in all firms	35,602(d)	35,226 (d)	35,683	33,611	34,077

(a) Including working proprietors.(b) See Tables 13(iv) and 14.(c) See Table 2.

(d) Excluding any small firms in Northern Ireland.

# Analysis by size, 1951 Larger establishments in the United Kingdom

# TABLE 4

Average number employed					1			
	Establish- ments	Gross output	Net output	Persons employed	Operatives	Other employees (a)	Total	Net output per person employed
	No.	£,000	£,000	No.	£'000	£,000	£,000	£
11 - 24	97	8.799	1,224	1,777	446	172	618	689
25 - 49	99	18.945	2.764	3,420	860	400	1,259	808
50 - 99	75	32,420	4.383	5,306	1,441	620	2,061	826
100 - 199	41	36.878	4.481	5,545	1.523	601	2,124	808
200 - 299	19	33,514	4.659	4,807	1,383	592	1,975	969
300 - 399	13	30,503	4,561	4,467	1,319	48 5	1,804	1,021
400 - 499	4	11.951	1,690	1,826	505	238	743	926
500 - 999	7	30,048	6,512	4,850	1,397	706	2,104	1,343
Total	355	203,058	30,274	31,998	8,874	3,815	12,689	946

(a) Administrative, technical and clerical employees.

(83869/1)

### Analysis by standard region, 1951

#### Larger establishments in the United Kingdom

TABLE 5

	1.2	100	Net o	utput		F	Remuneration	n	
Region	Estab- lish- ments	Gross output	Value	Value Percentage of		Operatives	Other employees (a)	Total	Net output per person employed
	No.	£'000	£'000		No.	£'000	£'000	£'000	£
England			100						
Northern	14	12,590	1,934	6.4	2,196	596	251	8 47	881
East and West	-								12.000
Ridings	32	11,636	1,507	5.0	2,226	581	237	818	677
North Midland	33	13,541	2,350	7.8	2,710	721	334	1,055	867
Eastern	57	15,184	2,607	8.6	3,087	830	329	1,160	844
London and South Eastern	41	34,028	5.445	18.0	5,034	1,466	786	2,253	1.081
Southern	14	4,584	7 48	2.5	744	178	93	271	1,005
South Western	22	15,543	2.050	6.8	2,319	647	299	946	884
Midland	17	3,339	462	1.5	606	160	69	229	763
North Western	43	43,275	7,240	23.9	6,470	1,944	740	2,684	1,119
Total England	273	153,719	24,342	80.4	25,392	7,124	3,139	10,263	959
Wales	4	8,022	1,139	3.8	1,529	3 59	192	552	745
Scotland	50	21,779	2,653	8.8	2,997	803	338	1,141	885
Great Britain	327	183,520	28,135	92.9	29.918	8,286	3,669	11,955	940
Northern Ireland	28	19,537	2,140	7.1	2,080	588	1 46	734	1,029
United Kingdom	355	203,058	30,274	100.0	31,998	8,874	3,815	12,689	9 46

(a) Administrative, technical and clerical employees.

Analysis according to specialisation within the trade, 1951

Larger establishments in the United Kingdom

TABLE 6

			Sales of			R	emuneration	n	
	Establish- ments	Gross output	charac- teristic products	Net output	Persons employed	Operatives	Other semployees (a)	Total	Net output per person employed
	No.	£,000	£,000	£,000	No.	£,000	£,000	£,000	£
Specialist producers of									
Milled							NEW NEW YORK		4-80 40 50 50 50
Wheat	228	148,142	125,975	21,338	23,779	6,578	2,920	9,497	897
Oa ts	26	6,905	5,909	1,216	1,353	309	1 46	455	899
Barley	6	576	3 56	84	129	29	17	46	6 4 9
Peat and peat moss litter (b)	17	330	335	22,2	415	128	25	151	534
Remainder of the trade	78	47,105		7.415	6.322	1.833	709	2,540	1,173
Total	355	203,058		30,274	31,998	8,874	3,815	12,689	9 46

(a) Administrative, technical and clerical employees.
 (b) The lower figure recorded for gross output as compared with the figure for sales of characteristic products is mainly due to stock changes.

(83869 1)

TABLE 7 - Total make of intermediate products: Larger establishments This table is not applicable to the trade.

Sales of the principal products of the trade, including sales of these products by establishments classified to other trades

Larger establishments

TABLE 8					
320.1 4	Uni	ted Kingdom 1951		Great Br 194	
	Quantity	Value	Entries	Quantity	Value
	Th. tons	£,000	No.	Th. tons	£,000
heat products					
Meal and flour (other than self-raising flour and semolina)	4,501.7	102,590	246	4,703.1	76,941
Semolina	34.0	1,376	38	69.2	2,536
Self-raising flour (a)	169.1	5,359	134	175.6	4,237
Unclassified meal and flour	-	-		68.0	1,105
Breakfast foods, packeted for retail sale	40.3	4,811	13	55.1	5,112
Bran, pollard, sharps and middlings (including weatings and superfine weatings)	870.1	18,721	221	709.6	6.473
Other wheat products and by-products	44.6	1,149	117	8.1	108
Unclassified		-	- {	3.9	59 55
Total wheat products	5,659.8	134,007	{	5.792.5	96.571 55
at products					
Meal and flour	45.1	2.055	34	47.8	2,133
Groats, rolled oats and similar products	89.5	5,162	52	77.0	3,915
Crushed and ground oats	29.1	831	200	25.2	580
Other oat products and by-products	62.7	1,081	50	67.8	677
Unclassified	7.7	387		14.1	410
Total oat products	234.0	9,516		231.9	7.716
Barley products			6 4 - 4 4	social diagrams	
Meal	116.1	3,423	193	68.3	1,245
Barley flour, and pearled, blocked, flaked, puffed and pot barley, including breakfast foods, packeted for retail sale	41.8	1,764	51	81.1	3,007
Meal and flour, unclassified	58.1	1,928	50	-	-
Other barley products and by-products	30.1	1,320	" 1	16.1	226
Total barley products	216.0	7,115		165.5	4.477
aize products (excluding maize starch) (b)					
Meal and flour	62.8	1,983	86	38.9	466
Breakfast foods packeted for retail sale and other flaked maize	117.4	8,539	43	92.7	4,187
Other milled products of maize	38.3	1,210	59	36.3	44
Unclassified	70.6	2,329	94	-	-
	289.2	14.061		167.9	5,098

TABLE 8 (contd.)		. 1 7. 1		Great E	Britain
	Uni	ted Kingdom 1951		19	
	Quantity	Value	Entries	Quantity	Value
	Th. tons	£,000	No.	Th. tons	£'000
Rice whole (husked or cleaned) and rice products	15.1	1,502	23	6.5	369
Rye meal, flour and by-products	7.6	295	22	8.8	27 4
Soya meal, flour and by-products	3.0	237		9.1	689
Pea and bean meal and flour	4.5	240	36	5.5	213
Other meal, flour and by-products	6.2	203	37	8.1	253 213
Split lentils	9.1	878	6	2.7	192
Split peas	6.5	477	6	11.9	810
Compound cakes, cubes, meals, etc. (c)					
For cattle	243.8	7,370	87	136.6	1,943
For calves	27.4	906	54	11.1	177
For pigs	348.7	10,979	128	80.5	1,257
For poultry	400.2	13,835	127	184.2	2,982
Other sorts	6.0	169	31	8.7	138
Unclassified	7.2	228	{	10.0	155 50
other animal and poultry feeding stuffs. not elsewhere specified (c)	44.8	1,513 165	}	12.6	26 4
Screenings, not included elsewhere		2	{	1.8	18 56
Total milled products		203,698			123,970
Peat and peat moss litter, etc.	71.7	13	337 {	49.8	244 28
filling done by grist millers and others on commission (d)		55	60		180
other work done on commission (d)		183	29		23
Total		204,273			124,444
Sales in other trades (see Table 9)		4,602			1,773
Principal products of this trade sold by establishments in the trade		199,671	331	A Real Control	122,671

(a) For particulars of the output of self-raising flour by firms not engaged in milling see the Miscellaneous Preserved Foods Trade (Volume 9, Trade G).
(b) For particulars of the output of maize starch see the Starch Trade (Volume 9, Trade E).
(c) For particulars of the output of compound cakes, cubes, meals, etc., and other animal and poultry feeding stuffs by firms not engaged in grain milling see the Seed Crushing and Oil Refining Trade (Volume 2, Trade P) and the Cattle, Dog and Poultry Foods Trade (Volume 9, Trade C).
(d) Amount charged.

# Sales of principal products of the trade by establishments classified to other trades

# Larger establishments

TABLE 9

	United Kingdom 1951			Great Britain 1948	
	Quantity	Value	Entries	Quantity	Value
	Th. tons	£,000	No.	Th. tons	£,000
Wheat products					
Meal and flour (other than self-raising flour and semolina)	1.0	31		1.9	29
Semolina	-	-	-	-	2
Breakfast foods, packeted for retail sale; and bran, pollard, sharps and middlings (including weatings and superfine weatings)	4.3	284	6	3.3	256
Total wheat products	5.3	315		5.2	286
Oct products					
Meal and flour; and groats, rolled oats and similar products	0.5	21		1.4	74
Crushed and ground oats	10.3	305	80	6.3	146
Other oat products and by-products		-	-	0.2	2
Total oat products	10.8	326		7.9	222
Barley products					
Meal	34.9	1,067	83	21.6	399
Barley flour, and pearled, blocked, flaked, puffed and pot barley, including breakfast foods, packeted for retail sale; and other barley products and by-products	17.6	666	9	6.6	290
Total barley products	52.5	1,733	1	28.3	689
Meal, flour and other milled products (except breakfast foods packeted for retail sale and other flaked maize)	5.0	157	5		
Breakfast foods packeted for retail sale and	2.2	238	11.17 11.17	13.1	156
other flaked maize Unclassified	49.1	1,623	78		
			,,,		150
Total maize products	56.2	2,018		13.1	1 56
Rice, whole (husked or cleaned) and rice products	0.8	196	•••	0.1	5
Pea and bean meal and flour	0.1	13		1.3	54
Rye meal, flour and by-products; soya meal, flour and by-products; other meal, flour and by-products	-			5.1	303
Total milled products		4,600			1,713
Peat and peat moss litter, etc.			-		2
Milling done by grist millers and others on commission (a)		2			48
Other work done on commission (a)		-	-		9
Total		4,602			1,773

(a) Amount charged.

#### Sales in the trade of other than principal products

					raiger	establ
BIR	10					

		Kingdom 951	Great Britain 1948	
Classic Allendary (Control of Control of Con	Quantity	Value	Quantity	Value
AND THE PROPERTY OF THE PROPER	Th.tons	£,000	Th.tons	£'000
Oilseed cake, kibbled or ground	11.8	387	2.0	27
Dog foods Food products	}	1,150	6.1	426 77
Other goods		301		71
Total		1,838	200720000000000000000000000000000000000	601

# Production, exports and imports of certain principal products (a)

TABLE 11

		Production (b)(c)	Exports	Retained imports
wn		Th.tons	Th.tons	Th.tons
Wheat products  Meal and flour, other than semolina (d)  Bran, pollard, sharps and middlings (including weatings and superfine weatings)  Oat products	$ \begin{cases} 1951 \\ 1948 \\ 1937 \end{cases} $ $ \begin{cases} 1951 \\ 1948 \\ 1937 \end{cases} $	4,120.6(e) 4,356.9(e) 3,806.3(e) 870.1 709.6 1,592.0	10.8 9.7 78.0 1.5 3.4	512.5 810.5 426.2 190.5 142.9 624.0
Meal and flour	$ \begin{cases} 1951 \\ 1948 \\ 1937 \end{cases} $	45.1 47.8 35.6	0.6 0.2 0.6(f)	- 0.4 1.5(f)
Rice, whole (husked or cleaned) (g)	$ \begin{cases} 1951 \\ 1948 \\ 1937 \end{cases} $	15.1(h) 2.8 22.1	0.1 0.9	69.6 42.1 52.8

<sup>(</sup>a) Figures of production (or sales) refer only to larger establishments in the United Kingdom (1951 and 1937) or Great Britain (1948). All recorded exports from and imports into the United Kingdom are given in the Table. The figures, therefore, are not strictly comparable.

(b) Sales in 1951 and 1948, and production for sale in 1937.

# Usage of certain specified purchased materials, 1951 Larger establishments in the United Kingdom

TABLE 12

Materials used	Quan ti ty
Wheatmeal and flour	Th.tons 550.2

Employment in September Larger establishments (a)

TABLE 13 (i) Operatives	Larger establishments (a)						
	United Kingdom			Great	Britain	United Kingdom	
	1951(b)	1950(b)	1949(ь)	1949(ы)	1948(c)	1937(c)	1935(c)
Males Under 18 All ages	511 21,117	580 21,126	466 20,912	378 19,460	453 18,891	940 21,708	915 21,421
Females Under 18 All ages	345 3.286	390 3,449	355 3,403	347 3,359	472 3,647	300 1,589	226 1,646
Total Under 18 All ages	8 56 24, 403	970 24,575	- 821 24,315	725 22,819	925 22,538	1,240 23,297	1,141 23,067

τ	United Kingdom			Great Britain		United Kingdom	
1951	1950	1949	1949	1948	1937	1935	
158 5,314	158 5,232	164 5,146	156 4.922	193 4,594	385 6.084	308 5,983	
406 2,215	37 5 2,206	374 2,178	369 2,093	337 1,949	198 1,476	128	
564	533	538	525	530	583	436 7.384	
	1951 158 5,314 406 2,215	1951 1950  158 158 5,314 5,232  406 375 2,215 2,206	1951 1950 1949  158 158 164 5,314 5,232 5,146  406 375 374 2,215 2,206 2,178	1951     1950     1949     1949       158     158     164     156       5,314     5,232     5,146     4,922       406     375     374     369       2,215     2,206     2,178     2,093       564     533     538     525	1951     1950     1949     1949     1948       158     158     164     156     193       5,314     5,232     5,146     4,922     4,594       406     375     374     369     337       2,215     2,206     2,178     2,093     1,949	1951     1950     1949     1949     1948     1937       158     158     164     156     193     385       5,314     5,232     5,146     4,922     4,594     6,084       406     375     374     369     337     198       2,215     2,206     2,178     2,093     1,949     1,476	

		United Kingdom			Great Britain		United Kingdom	
	1951	1950	1949	1949	1948	1937	1935	
Males Under 18 All ages	669 26.431	738 26,358	630 26.058	534 24,382	6 46 23,48 5	1.325 27.792	1,223 27,404	
Females Under 18 All ages	7 51 5, 501	765 5.655	729 5,581	716 5,452	809 5,596	498 3.065	354 3,047	
Total Under 18 All ages	1,420 31,932(e)	1,503 32,013(e)	1,359 31,639(e)	1,250 29,834(e)	1,455 29,081(e)	1.823 30.857	1.577	

(a) Excluded employees. The following persons were employed at the larger establishments in this trade in 1951 but are not included in the above tables or in any other Census of Production report (employees in Great Britain engaged, for example, in merchanting and in Northern Ireland canteen and welfare workers):-

Canteen workers 16 Males 205 Females Other workers 746 Males 229 Females

(b) In week ended September 22, 1951, September 30, 1950, and September 24, 1949.

(c) Average for the year.

(d) In week ended September 22, 1951, September 30, 1950, September 24, 1949, September 25, 1948, October 16, 1937, and October 12, 1935.
(e) Working proprietors. In addition working proprietors, shown in Table 13(iv) below, were engaged in this trade in larger establishments. The 1937 and 1935 figures include working proprietors.

1	iv	Working	proprietors
		" " OT IT TILD	brobrice-

N	**	m	b	4
20.0	ш	щ	v	

	U	Great Britain			
	1951	1950	1949	1949	1948
Males Females	92	97 4	90	36 1	41 2
Total	97	101	93	37	43

<sup>(</sup>c) Including production (or sales) by establishments classified to other trades.
(d) The figures for 1948 and the production figure for 1937 include semolina.
(e) Purchased flour has been deducted.

<sup>(</sup>f) Excluding flour.
(g) The oversea trade figures include mixtures of whole and broken rice.
(h) Including rice products.

#### Average employment

# Larger establishments (a)

	United Kingdom Great Britain	United Ki
TABLE 14	TIPL numbers of the side of the side of a side of the	

	The second	Inited Kingdo	om	Great	Britain	United Kingdom		
	1951	1950	1949	1949	1948	1937	1935	
Operatives Administrative, technical and	24,375	24,216	24,161	22,689	22,538	23,297	23,067	
clerical employees	7.526	7,280	7,196	6,889	6,543(b)	7,560(Ъ)	7,384(ы)	
Total	31,901	31,496	31,357	29,578	29,081	30,857	30,451	

(a) For employment in small firms (employing on the average ten or fewer persons) that made satisfactory returns

(b) In week ended September 25, 1948, October 16, 1937, and October 12, 1935. The 1937 and 1935 figures include working proprietors.

Outworkers. No outworkers were recorded in this trade in any year.

#### Shift working, 1951 (a)

#### Larger establishments in Great Britain

TABLE 15

	Total number of man-shifts worked in the week	Total number of shift-hours worked in the week	Number of returns showing the systems stated
Continuous 3 shift systems per 24 hours averaging 8 hours per shift	42,988	343,799	194
Continuous 4 shift systems per 24 hours averaging 6 hours per shift		_	
All 2 shift systems Other shift systems	2,992	30,668	45
Total	45,980	37 4 , 467	(b)

(a) Shift working during week ended September 22, 1951.
(b) The number and percentage of returns showing shift working and of operatives on shift-work were as follows:-

	Re	Operatives			
	Total in trade	Showing shift-work	Total in trade	Total on returns showing shift-work	Number employed on shift- work
Number Percentage of total in trade Percentage of total on returns	304 100.0	235 77.3	22,698 100.0	20,915 92.1	8,190 36.1
showing shift-work	250	1 1 4 2 7 1 20 3		100.0	39.2

# Wages and salaries and employers' National Insurance contributions paid during the year

# Larger establishments

		United Kingd	om E	Great Britain		
	1951	1950	1949	1949	1948	
ages and salaries (a) of						
Operatives	8,874	7,886	7.744	7,288	6,831	
Administrative, technical and clerical employees	3,815	3,486	3,393	3,258	2,982	
Total	12,689	11,372	11,137	10,546	9,813	
mployers' contributions to all National Insurance Schemes	322	319	317	298	227	

(a) Including bonus and commission payments.

# Plant, machinery and vehicles - acquisitions and disposals, and capital expenditure on new building work

# Larger establishments

	United	Kingdom	Great Britain		
	1951 1949		1949	1948	
Plant, machinery and vehicles					
Acquisitions					
Plant and machinery					
New	2,427	1,741	1,675	1,047	
Second-hand	30	44	43	30	
Vehicles					
New	455	384	355	306	
Second-hand	78	39	36	46	
Total acquisitions	2,989	2,208	2,109	1,429	
Disposals					
Plant and machinery	64	73	71	88	
Vehicles	82	46	42	44	
Total disposals	146	119	113	131	
New building work					
Capital expenditure on new building and other					
constructional work of a capital nature					
(excluding site values and development charges)	1,079	930	887	272	

Number

# FOOD, DRINK AND TOBACCO COUNTRY TABLES

#### GRAIN MILLING TRADE

1951

Summary: Larger establishments

TABLE 18

	England	Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
जि. से अमर्गार है असर दे	£.000	£,000	£'000	£'000	£,000	£'000
Gross output (production)	153.719	8,022	21,779	183,520	19.537	203,058
Cost of materials and fuel used (a) Payment for work done on materials	123,106	6,360	18,210	147,676	17.231	164,907
given out Transport payments	6,267	522	908	12 7,697	1 166	13 7,863
Net output(a) Wages and salaries of persons employed	24,342 10,263	1,139 552	2,653 1,141	28,135 11,955	2.140 734	30,274 12,689
Average number of persons employed (b)	No. 25,392	No. 1,529	No. 2,997	No. 29,918	No. 2,080	No. 31,998
Net output per person employed (b)	£ 959	£ 745	£ 885	£ 940	£ 1,029	£ 946
Stocks at end of year	£,000	£,000	£,000	£,000	£'000	£,000
Products on hand for sale and work in progress Materials and fuel	3,778 13,859	214 753	889 1,866	4,880 16,477	493 813	5,373 17,290
Number of establishments	No. 273	No.	No. 50	No.	No.	No.

The values of gross output and of materials and fuel used are derived in the following way

	£,000	£,000	£,000	£,000	£,000	£,000
Output of firms in this trade						
Total value of sales (see Table 20)	152,588	7,997	21,511	182,096	19,413	201,509
Changes in stocks and work in progress (see Table 21)	+ 1,132	+ 24	+ 268	+ 1,424	+ 124	+ 1,549
Gross output (production)	153,719	8,022	21,779	183,520	19,537	203,058
Materials and fuel used by firms in this trade						
Purchases (a) Changes in stocks (see Table 21)	126.095 - 2,989	6.244	18.641 - 431	150.980 - 3.304	17.485 - 254	168.465 - 3.558
Materials and fuel used	123,106	6,360	18,210	147,676	17,231	164,907

(a) The values shown take into account net amounts of rebates and allowances received from the Ministry of Food in respect of price differences, as follows:-

	England	Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Rebates and allowances Payments to the Ministry	62.852	3,184	7,100	73,136	2.436	75.572
of Food	836	1	46	883	-	883
Net amount received	62,016	3,182	7,054	72,253	2,436	74,689

(b) Including working proprietors.

TABLE 19

Summary: Small firms in Great Britain (a)

	England	Wales	Scotland	Great Britain
Number of returns	551	37	183	771
Average number of persons employed (b)				**********
Males Females	2,297 303	110 15	591 78	2,998
Total	2,600	125	669	3,394

(a) Small firms in Great Britain (employing on the average ten or fewer persons) that made satisfactory returns.
(b) Including working proprietors.

Sales in the trade Larger establishments

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	England	and Wales	Scot	land	Great I	Britain	Northern	Ireland	United	Kingdom
Each include the first the	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
DESCRIPTION OF THE PROPERTY OF COURSE	Th. tons	£, 000	Th. tons	£, 000	Th.tons	£, 000	Th.tons	£,000	Th.tons	£'000
Principal products										
Wheat products										
Meal and flour (other than self-raising flour and semolina)	3,907.4	88,959	435.2	9,945	4,342.6	98,904	158.1	3,656	4,500.7	102,559
Semolina	31.5	1,271	2.5	105	34.0	1,376	- ^	-	34.0	1,376
Self-raising flour	159.2	5,053	9.9	306	169.1	5,359	-		169.1	5,359
Breakfast foods packeted for retail sale; and bran, pollard, sharps and middlings (including weatings and superfine weatings)	794.5	20,812	86.6	1,855	881.2	22.667	24.9	581	906.1	23.248
Other wheat products and by-products		(a)	0.8	18				(a)	44.6	1,149
Total wheat products		(a)	535.0	12,229		••		(a)	5,654.5	133,692
Oat products										
Meal and flour; groats, rolled oats and similar products	41.9	2,602	92.1	4,.593	134.1	7,196	-		134.1	7,196
Crushed and ground oats	15.5	442	3.3	85	18.8	527	-	-	18.8	527
Qther oat products and by-products	1	20.4	40.0	005		1 540			62.7	1,081
Unclassified	13.9	364	46.8	685	60.8	1.049	9.6	418 {	7.7	387
Total oat products	71.4	3,408	142.3	5,363	213.6	8,772	9.6	418	223.2	9,190
Barley products										
Meal	76.7	2,228	4.5	129	81.2	2,356	-	•	81.2	2,356
Barley flour, and pearled, blocked flaked, puffed and pot barley, including break- fast foods packeted for retail sale; meal and flour unclassified; and other										
barley products and by-products	31.5	1,393	9.5	382	41.1	1,775	41.2	1,251	82.3	3,026
Total barley products	108.3	3,620	14.1	511	122.3	4,131	41.2	1,251	163.5	5,382
Maize products (excluding maize starch)										
Meal, flour and other milled products (except breakfast foods packeted for retail sale and other flaked maize)		(a)	1.5	47		***		(a)	96.1	3,036
Breakfast foods packeted for retail sale and other flaked maize	101.2	7,857	14.0	444	115.2	8,302			115.2	8.302
Unclassified	101.2	-	14.0		110.2	0,002	21.5	705	21.5	705
Unclassified							22.5			
Total maize products		(a)	15.6	492		••	•••	(a)	232.9	12,043

	England and Wales		Scot	land	Great Britain		Northern Ireland		United	Kingdom
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value
Principal products (contd.)	Th. tons:	£,000	Th. tons	£, 000	Th. tons	£, 000	Th. tons	£,000	Th. tons	£'000
Rice, whole (husked or cleaned) and rice										
products		(a)		(a)	14.3	1,306			14.3	1,306
Rye meal, flour and by-products		(a)		(a)	7.6	295			7.6	295
Soya meal, flour and by-products	3.0	237			3.0	237			3.0	237
Pea and bean meal and flour	2.9	123	1.5	105	4.4	228			4.4	228
Other meal, flour and by-products	3.5	109	0.4	17	3.9	126	2.3	78	6.2	203
Split lentils	5.3	509	3.7	370	9.1,	878			9.1	878
Split peas		(a)		(a)	6.5	477			6.5	
Compound cakes, cubes, meals, etc.									0.5	477
For cattle	158.6	4,674	12.7	369	171.3	5,043	72.5	2,327	243.8	7 070
For calves	18.0	576	3.2	101	21.1	678	6.3	228	27.4	7.370 906
For pigs	193.4	6,009	13.0	419	206.5	6.428	142.2	4,551	348.7	10,979
For poultry	283.2	8,926	20.3	664	303.5	9,590	96.7	4.244	400.2	13,835
Other sorts	4.8	140	1.2	29	6.0	169			6.0	169
Unclassified	7.2	228		-	7.2	228			7.2	228
Other animal and poultry feeding stuffs, not elsewhere specified	25.0	695	3.4	102	28.3	797	16.4	716	44.8	1,513
Screenings, not included elsewhere		(a)		(a)	••	2	•	165		165
Total milled products		(a)		(a)		180,159		18,939		199,097
Peat and peat moss litter, etc.	53.3	288	13.4	49	71.7	337 .			71.7	337
Milling done by grist millers and others										
on commission (b)		10		31		41		12.		53
Other work done on commission (b)		(a)		18		••		(a)		183
Total principal products		(a)		(a)		••		(a)		199,671
Other output										
Oilseed cake, kibbled or ground		• 400	•	( 6.000		-	11.8	387	11.8	387
Dog foods	)									
Food products	<b>7</b> ···	(a)	••	(a)	••	1,150		•	••	1,150
Other goods		-(a)	• •	(a)	••			(a)		301
Total		160,585		21,511		182,096		19,413		201,509

<sup>(</sup>a) Owing to the risk of disclosure of information relating to individual firms separate particulars cannot be given.

(b) Amount charged.

# Stocks of products on hand for sale and work in progress, and stocks of materials and fuel

# Larger establishments

£		

		England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Products on hand for sale	at beginning of year at end of year at beginning of year at end of year	2.740 3.884 95 107	618 880 3 8	3,358 4,764 99 116	243 406 125 87	3.600 5.170 224 203
Total products on hand for sale and work in progress	{ at beginning of year at end of year	2,835 3,991	621 889	3,456 4,880	369 493	3,824 5,373
Materials and fuel	at beginning of year at end of year	11,739 14,612	1.435 1.866	13,174 16,477	559 813	13,732 17,290

# Employment in September

# Larger establishments (a)(b)

TA	B	LE	2	2

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdon
Males			100	111	511
Under 18	357	43	400		21,117
All ages	17.436	2,027	19,463	1.654	21,11/
Females	014	20	334	11	345
Under 18	314			51	3.286
All ages	3.016	219	3,235	31	3,200
Total		63	734	122	8 5 6
Under 18 All ages	20,452	2,246	22,698	1,705	24,403

	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Males	121	21	142	16	158
Under 18 All ages Females	4,611	457	5,068	246	5,314
Under 18 All ages	351 1.865	48 250	399 2,115	100	406 2,215
Total					
Under 18 All ages (c)	47 2 6 . 47 6	69 707	541 7,183	23 346	56 4 7,529

(continued overleaf)

#### TABLE 22 (contd.)

478 22.047	64	542	127	669
			127	000
22.047	2 404			
	2,484	24,531	1,900	26,431
			1,000	20,431
665	68	733	18	7 51
4,881				5,501
		3,500	101	3,301
1 1 143	132	1 275	140	
				1.420
The same of the sa		1,143 132	4.881     469     5,350       1.143     132     1.275	4.881 469 5.350 151 1.143 132 1.275 145

(a) Excluded employees. The number of persons employed at the larger establishments in this trade but not included in the above tables or in any other Census of Production report (employees in Great Britain engaged, for example, in merchanting and in Northern Ireland canteen and welfare workers) are shown in Table 22(v) below.
 (b) Number employed in the week ended September 22, 1951.
 (c) Working proprietors. In addition working proprietors, shown in Table 22(iv) below, were engaged in this trade in larger establishments.

(iv) Working pro	phrecors				Numbe
	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Males Females	26 1	6	32 1	60	92 5
Total	27	6	33	64	97
(v) Excluded en	nployees				Numbe
	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Canteen workers					
Males	15	1	16		. 16
Females	198	1 6	204	1	205
Total	213	7	220	1	221
ther workers					
Males	507	239	7 46		746
Females	165	64	229	-	229
Total .	672	303	975	•	97.5
Total excluded employees	885	310	1,195	1	1,196

#### Average employment

#### Larger establishments (a)

TABLE 23					
	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Operatives Administrative, technical and	20,411	2,293	22,704	1,671	24,375
clerical employees	6,483	698	7,181	345	7,526
Total	26,894	2,991	29,885	2,016	31,901

(a) For employment in small firms in Great Britain (employing on the average ten or fewer persons) that made satisfactory returns see Table 19.

Outworkers. No outworkers were recorded in this trade.

#### (83869/1)

# Wages and salaries and employers' National Insurance contributions paid during the year

# Larger establishments

£'000

TABLE 24		•			
	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Wages and salaries (a) of Operatives Administrative, technical and clerical employees	7,484 3,331	803 338	8,286 3,669	588 1 46	8,874 3,815
Total	10,815	1,141	11,955	734	12,689
Employers' contributions to all National Insurance Schemes	27 0	31	301	21	322

(a) Including bonus and commission payments.

Plant, machinery and vehicles - acquisitions and disposals.

and capital expenditure on new building work
Larger establishments

TABLE 25					£.000
	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Plant, machinery and vehicles Acquisitions					
Plant and machinery New Second-hand	2,193	148	2,341	86	2,427
Vehicles New Second-hand	363 66	60 6	422 72	33 5	455 78
Total acquisitions	2,651	215	2.866	124	2,989
Disposals Plant and machinery Vehicles	6 2 58	2 17	€ <b>4</b> 7 5	. 7	6 4 8 2
Total disposals	120	19	139	7	146
New building work Capital expenditure on new building and other constructional work of a capital nature (excluding site values and					
development charges)	991	25	1,016	63	1.079

(83869/1)

# Payments for transport services for finished goods sold and materials and fuel purchased

#### Larger establishments

TABLE 26	England and Wales	Scotland	Great Britain	Northern Ireland	United Kingdom
Amounts paid to other firms and undertakings	6.472	8-2.2	7,294	166	7,460
Amount paid or credited to firms' own separate transport organisations	318	86	403	-	403
Total	6,789	908	7,697	166	7,863

The following brief notes refer to Great Britain and, unless otherwise stated, to the census of production for 1951. Reference should be made to the separate booklet in this series entitled 'The Report on the Census of Production for 1951: Introductory Notes' (price 1s.6d. net) for particulars of the minor differences in the Northern Ireland censuses and other details about the census of production.

Trade classification: Establishments are classified to trades according to the nature of their output. Certain products. called principal products. are identified as characteristic of the production of individual trades. the principal products for a given trade being of a similar nature or commonly associated in production. An establishment is classified to a trade if its output of principal products of that trade accounted for a greater proportion of the value of its output than did its output of principal products of any other trade.

The establishment: The basic unit for the collection of information is generally the establishment which in most cases comprises the whole of the premises under the same ownership or management at a particular address (e.g., a factory). Offices, ware-houses and other ancillary places of business situated apart from the producing works are included in the return for the works.

Larger establishments and small firms: Larger establishments are those which employed more than 10 persons on the average during the year: small firms are those employing on the average 10 or fewer persons.

Working proprietors are proprietors of businesses other than limited companies, and include members of their families who work in the business without receiving fixed wages or salaries. Any persons working less than half the normal hours are excluded.

Persons employed: Administrative employees include directors other than those paid by fee only, managers, superintendents and works foremen; research, experimental, development, technical and design employees (other than operatives); draughtsmen and tracers; and travellers and office (including works office) employees. Operatives include all other classes of employees, that is, broadly speaking, all manual workers.

All these figures exclude 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.

Figures for employees include only persons on the pay-roll (that is whose National Insurance cards were held by the firm), whether full-time or parttime employees.

Outworkers, who are shown separately, are persons employed by the firm who work on materials supplied by the firm, but do not work on the premises; operatives directly employed who work out of doors (e.g., maintenance workers) and sub-contractors are not included as outworkers.

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

Capital expenditure: Expenditure on plant, machinery and vehicles relates to expenditure charged to capital account during the year of return, including transport and installation costs involved. Expenditure on new building work is similarly that charged to capital account during the year.

Materials and fuel: The cost of materials and fuel purchased includes all purchases during the year of materials for use in production and of fuel (including oil. gas, and electricity for all purposes, including heating and lighting); all packing materials, including the full cost of returnable containers when first purchased; workshop materials; office materials; water charges; materials for repairs to firms' own buildings, plant and vehicles when carried out by

their own work people included in the return; and consumable tools and parts for machinery purchased as replacement. Materials, components, etc. which were purchased and re-sold in the same state (that is, merchanted or factored goods) were excluded. For 1951 firms in many trades were required to state the quantities of certain purchased materials used.

Stocks and work in progress: Firms were instructed to give these at income tax value.

Output: 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. For all post-war censuses the value of sales was the net selling value, that is, the amount charged to customers, whether on an exworks 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.

Gross output of a trade is the total value of goods made and other work done during the year; this means the value of sales and work done during the year adjusted for changes in the values of stocks.

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

Customs and Excise Duty paid on materials purchased is included in the cost of materials, but where it is especially important separate figures are shown.

Later reports: Reports will be published later summarising the main census results and giving information about power equipment and fuel consumption.

Disclosure of information: The report has been prepared in conformity with the disclosure provisions of the Statistics of Trade Act, 1947. Figures have been combined with others of a similar nature in certain cases where publication of separate details might disclose the operations of an individual firm.

Symbols used: '..' for 'Not available', '-' for 'Nil or negligible (less than half the final digit shown)'

The figures in the tables have been rounded off to the nearest final digit, and there may be an apparent slight discrepancy between the sums of the constituent items and the totals shown.

Tables 1 to 17 show figures for the United Kingdom (or Great Britain).

Tables 18 to 26 are country tables and give, where practicable, separate details for England and Wales, Scotland and Northern Ireland.

Table 6: Specialist producers refer to those establishments 50 per cent. or more of whose total output by value is accounted for by the groups of products specified.

Table 8 (or 8(i)) shows the total sales of principal products of the trade, and includes therefore the sales of these products returned by establishments whether classified to the trade or to other trades. Those produced by establishments in other trades are shown in Table 9.

Table 10 shows the sales by establishments in the trade of products other than those regarded as principal products of the trade.

Table 20 (or 20(i)) shows sales by establishments in the trade of products, whether principal products or not, and broadly the aggregates here are equal to the corresponding figures in Table 8 (or 8(i)) less those in Table 9, plus those in Table 10.

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