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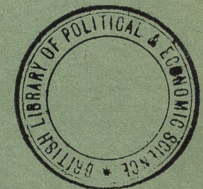
STATISTICS  
BACK-UP

FINAL REPORT  
on the  
CENSUS OF PRODUCTION  
FOR 1948

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).*

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In interpreting the data in the following tables, it is essential to bear in mind not only the qualifications mentioned in this report but also the general explanations and qualifications contained in the separate booklet published in this series by H.M. Stationery Office entitled "Final Reports of the Census of Production for 1948: Introductory Notes", price 2s 0d. NET

### List of Tables

Table No.	Title	Page.
1	Summary: Larger establishments	8/A/2
2	Summary, 1948: Small firms in Great Britain	8/A/3
3	Estimated average employment, 1948: All firms in Great Britain	8/A/3
4	Analysis by size, 1948: Larger establishments in Great Britain	8/A/3
5	Analysis by standard region, 1948: Larger establishments in Great Britain	8/A/4
6	Analysis according to specialisation within the trade, 1948: Larger establishments in Great Britain	8/A/5
7	Total make of intermediate products: Larger establishments	*
8	Sales (or production) of the principal products of the trade, including sales (or production) of these products by establishments classified to other trades: Larger establishments	8/A/6
9	Sales (or production) of principal products of the trade by establishments classified to other trades: Larger establishments	8/A/9
10	Sales (or production) in the trade of other than principal products: Larger establishments	8/A/11
11	Analysis of sales, 1948: Larger establishments in Great Britain	8/A/12
12	Production, exports and imports of certain principal products: Larger establishments	8/A/13
13	Purchased materials and fuel: Larger establishments	8/A/14
14	Stocks of finished products and work in progress and stocks of materials and fuel, 1948: Larger establishments in Great Britain	8/A/16
15	Employment and remuneration: Larger establishments	8/A/17
16	Wages and salaries paid, 1948: Larger establishments in Great Britain	8/A/18
17	Payments for work done on materials given out, 1948: Larger establishments in Great Britain	8/A/18
18	Payments for certain services, 1948: Larger establishments in Great Britain	8/A/19
19	Plant, machinery and vehicles acquired and disposed of, 1948: Larger establishments in Great Britain	8/A/20
20	Capital expenditure on building work and changes in occupation of buildings and land, 1948: Larger establishments in Great Britain	8/A/20

### Country Tables

Table No.	Title	Page
21	Summary: Larger establishments	8/A/21
22	Summary: Small firms	8/A/22
23 or 23(1)	Sales in the trade: Larger establishments	8/A/23
23(11)	Sales in the trade: Small firms	*
24 or 24(1)	Purchased materials and fuel: Larger establishments	8/A/26
24(11)	Purchased materials and fuel: Small firms	*
25 or 25(1)	Employment and remuneration: Larger establishments	8/A/28
25(11)	Employment: Small firms	*
26	Monthly index of employment of operatives: Larger establishments	8/A/28

\* Not applicable to this trade

### GRAIN MILLING TRADE

THIS REPORT on the Grain Milling Trade relates to establishments engaged wholly or mainly in the milling of wheat (including the production of self-raising and patent flour at milling establishments), in the milling, flaking, or rolling of 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.

Establishments in this trade in Northern Ireland (which are excluded in 1948) accounted in 1935 for about 3 per cent. of the net output for the United Kingdom.

Throughout this report the cost of materials for 1948 is shown after deduction of the amount of interim rebates (about £57,800,000) allowed by the Ministry of Food from the cost of wheat purchased. Other allowances are payable by the Ministry after the end of the year which are estimated to be less than 5 per cent. of the amount of the interim rebates. The value of the output shown for 1937 and 1935 excludes the amount of quota payments made to the Wheat Commission in respect of wheat meal and flour produced in those years, amounting to about £735,000 in 1937 and £6,264,000 in 1935.

FOOD, DRINK AND TOBACCO  
GRAIN MILLING TRADE  
Summary  
Larger establishments

TABLE 1

	1948 (a)	1937 (b)	1935 (b)
	£'000	£'000	£'000
Gross output (production)	119,950	93,930	65,805
Cost of materials and fuel used	95,528	80,424	53,288
Payment for work done on materials given out	8	4	4
Net output	24,414	13,502	12,513
Wages and salaries of persons employed	9,813	..	..
Average number of persons employed (c)	No. 29,124(d)	No. 30,857	No. 30,451
Net output per person employed (c)	£ 838	£ 438	£ 411
Stocks at end of year	£'000	£'000	£'000
Finished products and work in progress	2,159	..	..
Materials and fuel	8,473	..	..
Number of establishments	No. 338	No. ..	No. 502

(a) Great Britain only.

(b) United Kingdom.

(c) Excluding outworkers.

(d) For an estimate of the total number of persons employed in this trade see Table 3.

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

	1948	1937	1935
	£'000	£'000	£'000
Output of firms in this trade			
Total value of sales (1948) or production (1937 and 1935)			
Principal products (see Table 8)	122,671	93,677	65,556
Other output (see Table 10)	601	253	249
Adjustment for changes in stocks and work in progress (see Table 14)	- 125		
Less payment for transport by other firms	123,148 3,198	93,930	65,805
Gross output (production)	119,950	93,930	65,805
Materials and fuel used by firms in this trade			
Purchases (see Table 13)	94,618	80,424	53,288
Adjustment for changes in stocks (see Table 14)	+ 910		
Materials and fuel used	95,528	80,424	53,288

## Summary, 1948

## Small firms in Great Britain

TABLE 2

Number of returns	943
Average number of persons employed (a)	
Males	3,787
Females	458
Total	4,225

(a) Including working proprietors.

## Estimated average employment, 1948

## All firms in Great Britain

TABLE 3

As returned by firms	
Employing on average more than ten persons (a)	29,124
Employing on average ten persons or less (b)	4,225
	33,349
Estimated average employment in firms not making satisfactory returns	728
Estimated average employment in all firms	34,077

(a) See Tables 1 and 15.

(b) See Table 2.

## Analysis by size, 1948

## Larger establishments in Great Britain

TABLE 4

Average number employed	Establishments	Gross output	Net output	Persons employed	Remuneration			Net output per person employed
					Wages	Salaries	Total	
	No.	£'000	£'000	No.	£'000	£'000	£'000	£
11-24	87	4,995	990	1,444	327	119	446	685
25-49	108	13,700	2,723	3,756	817	359	1,176	725
50-99	68	18,755	3,583	4,859	1,110	501	1,611	737
100-199	37	23,071	4,091	5,028	1,216	517	1,733	814
200-299	18	20,012	4,173	4,395	1,001	502	1,503	949
300-399	8	12,367	2,371	2,847	766	263	1,030	833
400-499	5	10,677	2,132	2,274	539	203	742	938
500-999	7	16,374	4,351	4,521	1,054	518	1,572	962
Total	338	119,950	24,414	29,124	6,831	2,982	9,813	838

Analysis by standard region, 1948  
Larger establishments in Great Britain

TABLE 5

Region	Establishments	Gross output	Net output		Persons employed	Remuneration			Net output per person employed
			Value	Percentage of total		Wages	Salaries	Total	
	No.	£'000	£'000		No.	£'000	£'000	£'000	£
England									
Northern	15	7,403	1,430	5.9	2,083	465	202	666	
East and West Ridings of Yorkshire	33	8,705	1,758	7.2	2,283	533	190	723	
North Midland	32	8,456	1,897	7.8	2,592	602	249	851	
Eastern	60	10,269	2,341	9.6	3,238	733	296	1,029	
London and South Eastern	44	23,196	4,645	19.0	4,856	1,180	630	1,810	
Southern	13	1,494	347	1.4	451	91	53	143	
South Western	24	9,929	1,991	8.2	2,424	549	254	803	
Midland	17	2,336	445	1.8	634	151	58	209	
North Western	41	27,497	5,976	24.5	5,956	1,468	564	2,033	
Total England	279	99,286	20,830	85.3	24,517	5,772	2,495	8,267	
Wales	6	5,465	1,017	4.2	1,612	361	160	521	
Scotland	53	15,200	2,568	10.5	2,995	698	327	1,025	
Great Britain	338	119,950	24,414	100.0	29,124	6,831	2,982	9,813	

Analysis according to specialisation within the trade, 1948  
Larger establishments in Great Britain

TABLE 6

	Establishments	Gross output	Sales of characteristic products	Net output	Persons employed	Remuneration			Net output per person employed
						Wages	Salaries	Total	
	No.	£'000	£'000	£'000	No.	£'000	£'000	£'000	£
Specialist producers of									
Milled									
Wheat									
Imported	215	95,445	89,475	18,621	22,387	5,370	2,221	7,591	832
Home grown	24	3,069	2,916	932	1,027	190	129	318	907
Oats	34	6,762	4,997	1,352	1,926	368	220	588	702
Barley	15	2,316	1,422	410	471	107	54	162	870
Peat and peat moss litter (a)	15	268	270	229	435	119	24	143	526
Remainder of the trade	35	12,091		2,871	2,878	677	335	1,011	998
Total	338	119,950		24,414	29,124	6,831	2,982	9,813	838

(a) The lower figure recorded for gross output as compared with the figure for sales of characteristic products is mainly due to stock changes.

TABLE 7 - Total make of intermediate products: Larger establishments

This table is not applicable to the trade.

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

## Larger establishments

TABLE 8

	1948(a) Sales			1937(b) Production		1935(b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th. tons	£'000	No.	Th. tons	£'000	Th. tons	£'000
Wheat products							
Meal and flour							
Self-raising flour (c)	176	4,237	114	76	1,583	84	1,317
Wholemeal, wheatmeal and other speciality flour	1,785	29,783	179	3,765		3,977	
Semolina	69	2,536	43				
Other meal and flour	2,918	47,158	125				
Unclassified	68	1,105	10	-	-	-	-
Cut and kibbled wheat	-	4	11	8	34,374	12	45,066
Bran, pollard, sharps and middlings (including weatings and superfine weatings)	710	6,473	220	1,592		1,576	
Other by-products	8	104	73	21		23	
Unclassified	4	59	..	-	-	-	-
	..	55					
Breakfast foods, packeted for retail sale	55	5,112	18	12	825(d)	10	707(d)
Total wheat products	5,793	96,571	..	5,474	66,782	5,682	47,090
	..	55					
Oat products							
Crushed and ground oats	25.2	580	182	64.7	607(e)	87.7	659(e)
Meal and flour (f)	47.8	2,133	41	35.6		44.7	
Groats, rolled oats and similar products	77.0	3,915	59	36.4	1,298	27.0	1,091
By-products	67.8	677	42	29.1		27.8	
Unclassified	14.1	410	..	-	-	-	-
Total oat products	231.9	7,716	..	165.8	1,905	187.2	1,750

TABLE 8 (contd.)

	1948(a) Sales			1937(b) Production		1935(b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th. tons	£'000	No.	Th. tons	£'000	Th. tons	£'000
Barley products							
Meal	68.3	1,245	178	237.9	2,190	260.6	1,714
Barley flour, and pearled, blocked, flaked, puffed and pot barley, including breakfast foods packeted for retail sale	81.1	3,007	58				
By-products	16.1	226	31	..	(g)	..	(g)
Total barley products	165.5	4,477	..	237.9	2,190	260.6	1,714
Maize products (excluding maize starch (h))							
Breakfast foods packeted for retail sale and other flaked maize	92.7	4,187	34	732.8	5,612	717.7	3,897
Meal and flour	38.9	466	89	1,107.4	7,809	974.4	4,934
Other milled products of maize	36.3	444	63				
Total maize products	167.9	5,098	..	1,840.2	13,421	1,692.1	8,831
Rice products							
Whole (husked or cleaned)	2.8	166	5	22.1	339	33.5	495
All other rice products	3.7	203	13	41.3	453	48.5	404
Total rice products	6.5	369	..	63.4	792	82.0	899
Meals and flours							
Rye	6.1	234	20	3.3	42	2.1	15
Bean	0.2	8	17	12.1	105	13.3	101
Pea	5.3	205	27	8.6	89	6.2	62
Soya	8.7	686	..				
By-products of							
Rye	2.7	40	10	10.7	114	10.5	93
Soya	0.4	3	..				
Other meals, flours and by-products	8.1	253	20				
	..	213					
Split lentils	2.7	192	6	6.1	88	5.8	82(d)
Split peas	11.9	810	8	5.2	65	5.9	72
Split beans	-	-	-	0.6	6(d)	0.5	3(d)

TABLE 8 (contd.)

	1948(a) Sales			1937(b) Production		1935(b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th. tons	£'000	No.	Th. tons	£'000	Th. tons	£'000
Compound cakes, cubes, meals, etc. (1)							
For cattle	136.6	1,943	62	931.9	8,170	680.3	4,923
For calves	11.1	177	34				
For pigs	80.5	1,257	102				
For poultry	184.2	2,982	105				
Other sorts	8.7	138	34				
Unclassified	10.0	155	7				
	..	50					
Other animal and poultry feeding stuffs	12.6	264(1)	38				
Screenings, not included elsewhere	1.8	18	20	12.1	77	9.0	37
	..	56					
Manufactured cereals, unclassified	-	-	-	2.3	22	3.2	23
Total milled products	..	123,970	..	..	93,868	..	65,695
Peat and peat moss litter, etc.	49.8	244	14	75.6	119	65.5	88
	..	28					
Milling done by grist millers and others on commission (j)		180	122		29		29
Other work done on commission (j)		23	19				
Total		124,444	..		94,016		65,812
Less sales (or production) in other trades (see Table 9)		1,773	..		339		256
Total principal products of this trade sold or made by establishments in the trade		122,671	299		93,677		65,556

(a) Great Britain only.

(b) United Kingdom.

(c) 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).

(d) So far as recorded separately.

(e) Described as "Animal feeding stuffs".

(f) Described as "Meal" in 1937 and 1935.

(g) Not recorded separately.

(h) For particulars of the output of maize starch see the Starch Trade (Volume 9, Trade E).

(i) 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).

(j) Amount charged in 1948, amount received in 1937 and 1935.

## Sales (or production) of principal products of the trade by establishments classified to other trades

## Larger establishments

TABLE 9

	1948 (a) Sales			1937 (b) Production		1935 (b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th. tons	£'000	No.	Th. tons	£'000	Th. tons	£'000
Wheat products							
Meal and flour							
Wholemeal, wheatmeal and other speciality flour	-	1	..	-		-	
Semolina	-	2	..	-		-	
Unclassified	2	28	..	-	34	-	20
Bran, pollard, sharps and middlings (including weatings and superfine weatings)	1	7	..	4		2	
Breakfast foods, packeted for retail sale	3	249	5	-	7	-	-
Total wheat products	5	286	..	4	41	3	20
Oat products							
Crushed and ground oats	6.3	146	58	2.7	24	4.0	32
Meal and flour	0.6	28	..	0.1		2.6	
Groats, rolled oats and similar products	0.8	46	5	-	6	0.2	29
By-products	0.2	2	..	-		0.3	
Total oat products	7.9	222	..	2.8	30	7.1	61
Barley products							
Meal	21.6	399	62				
Barley flour, and pearled, blocked, flaked, puffed and pot barley, including breakfast foods packeted for retail sale	6.6	290	8		49	2.3	30
Total barley products	28.3	689	..	..	49	2.3	30



TABLE 9 (contd.)

	1948(a) Sales			1937(b) Production		1935(b) Production	
	Quantity	Value	Entries	Quantity	Value	Quantity	Value
	Th. tons	£'000	No.	Th. tons	£'000	Th. tons	£'000
Maize products (excluding maize starch)							
Meal, flour and other milled products	13.1	156	5	20.0	192	23.3	130
Rice products, other than whole rice husked or cleaned	0.1	5	..	-	-	-	-
Rye meal and flour; soya meal and flour; rye by-products; other meals, flours and by-products (except bean and pea meals and flours)	5.1	303	..	1.0	16	0.3	2
Bean meal and flour	-	-	-	0.3	2	0.8	6
Pea meal and flour	1.3	54	..	0.1	5	0.1	6
Screenings, not included elsewhere	-	-	-	0.5	4	0.2	1
Total milled products	..	1,713	..	..	339	..	256
Peat and peat moss litter, etc.	..	2	..	-	-	-	-
Milling done by grist millers and others on commission		48(c)	47	-	-	-	-
Other work done on commission		9(c)	..	-	-	-	-
Total		1,773	..		339		256

(a) Great Britain only.  
(b) United Kingdom.  
(c) Amount charged.

## Sales (or production) in the trade of other than principal products

## Larger establishments

TABLE 10

	1948(a) Sales		1937(b) Production		1935(b) Production	
	Quantity	Value	Quantity	Value	Quantity	Value
	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Oilseed cake kibbled or ground	2.0	27	8.4	76	8.1	66
Hay and straw chopped	3.8	43	11.1	56	12.9	66
Dog foods	6.1	426	-	-	-	-
Food products	..	77	..	42	..	65
Other goods	..	28	..	79	..	52
Total		601		253		249

(a) Great Britain only.  
(b) United Kingdom.

## Analysis of sales, 1948

## Larger establishments in Great Britain

TABLE 11

	Sales	Percentage of total sales
	£'000	
Sales (or transfers) to other organisations under the same control		
Productive works	7,221	5.9
Wholesale or selling organisations other than export sales organisations	19,441	15.8
Retail shops, and export sales organisations (including branches abroad)	223	0.2
Total sales (or transfers) to other organisations under the same control	26,885	21.8
Sales to independent buyers		
Exports invoiced directly overseas	218	0.2
Exports invoiced to Crown Agents and purchasing houses in this country of individual firms and governments abroad	94	0.1
His Majesty's Government and Local Authorities (other than productive establishments)	2,632	2.1
Manufacturers, repairers, builders, mines, public utilities, and transport and other productive undertakings	35,157	28.6
Wholesalers, merchants and other agents for resale	35,463(a)	28.8
Retailers, including multiple shops, caterers and N.A.A.F.I., for resale	16,553	13.4
Other businesses (including farmers) and institutions of all kinds	6,033	4.9
Members of the public, including employees	93	0.1
Total sales to independent buyers	96,242	78.2
Total	123,128	100.0

(a) Of this total £24,452,000 was recorded as divided between £418,000 for export and £24,034,000 for other sales.

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

TABLE 12

		Production (b) (c)	Exports	Retained imports
		Th. tons	Th. tons	Th. tons
Wheat products				
Meal and flour	{ 1948 1937	4,357 (d) 3,806 (d)	10 (e) 78	810 (e) 426
Bran, pollard, sharps and middlings (including weatings and superfine weatings)	{ 1948 1937	710 1,592	2 3	143 624
Oat products				
Meal and flour	{ 1948 1937	47.8 35.6	0.2 0.6 (f)	0.4 1.5 (f)
Rice, whole (husked or cleaned)	{ 1948 1937	2.8 22.1	0.1 1.0	42.1 109.3
Rye meal and flour	{ 1948 1937	6.1 3.3	.. ..	- 2.0
Split peas	{ 1948 1937	11.9 5.2	- 3.4	- 1.8

(a) Figures of sales (or production) refer only to larger establishments in Great Britain (1948) or the United Kingdom (1937). 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 1948 and production for sale in 1937.

(c) Including sales (or production) by establishments classified to other trades.

(d) Purchased flour has been deducted.

(e) Described as including semolina in 1948.

(f) Excluding flour.

## Purchased materials and fuel

## Larger establishments

TABLE 13

	1948(a)		1937(b)		1935(b)	
	Materials and fuel purchased		Usage of purchased materials and fuel			
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Materials						
Wheat						
Home-grown	1,063	10,851(c)	702	6,524	765	4,255
Imported	4,086	45,544(c)	4,652	48,135	4,867	31,605
Oats						
Home-grown	162.8	3,374	155.2	1,243	143.7	912
Imported	65.0	1,420	31.0	255	69.6	426
Barley						
Home-grown	108.7	2,513	12.2	106	26.3	167
Imported	59.1	886	280.7	2,114	274.5	1,396
Maize	247.2	3,217	1,991.6	12,394	1,750.6	7,501
Wheat flour purchased for blending with millers' own products	659.1	10,235	34.0	426	28.2	235
Wheat offals purchased for further manufacture or for mixing with millers' own products	25.8	248	212.0	1,535	..	(d)
Rye	10.3	254				
Rice	6.4	327				
Peas, beans (other than soya beans) and lentils	22.6	1,064				
Groats purchased for further manufacture	11.6	504	..	(d)	..	(d)
Oilseed cake and meal	96.2	1,010				
Sacks	Th. gross					
New	182	2,002				
	..	242				
Second-hand	64	545				
	..	114				

TABLE 13 (contd.)

	1948(a)		1937(b)		1935(b)	
	Materials and fuel purchased		Usage of purchased materials and fuel			
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Materials (contd.)						
Other packing materials	..	3,273	..	5,993	..	5,817(e)
All other purchased materials	..	4,576	..	572	..	138
Unclassified materials	..	202	..	572	..	138
Fuel and electricity	Th. tons		Th. tons		Th. tons	
Coal	306.1	803	346.6	391	372.1	356
Coke	9.1	31	..	(d)	7.4	9
Electricity purchased (f)	Th. B. T. U. (kW.hrs.)		Th. B. T. U. (kW.hrs.)		Th. B. T. U. (kW.hrs.)	
From public supply	257,132	985				
From other sources	603	3	222,386	511	202,796	442
Electricity obtained from other works under the same ownership	-	-				
Motor spirit (petrol) and deriv. fuel	Th. galls.		Th. galls.		Th. galls.	
Used for road vehicles	1,816	167	..	(d)	..	(d)
Used for other power purposes	284	14	..	(d)	..	(d)
Other oil fuel (including creosote/pitch mixtures)	978	41	..	(d)	1,424	29(g)
Gas purchased	Th. therms 2,057	81				
Gas obtained from other works under the same ownership	-	-	..	225	..	(d)
All other purchased fuel	..	8				
Materials and fuel, unclassified	..	88				
Total		94,618		80,424		53,288

(a) Great Britain only.

(b) United Kingdom.

(c) This value excludes the amount of interim rebates allowed by the Ministry of Food (see Introductory note).

(d) Not recorded separately.

(e) Including fuel not specified separately.

(f) The total quantity of electricity consumed in 1948 was 270,356,000 B. T. units including 12,621,000 generated in the same works.

(g) Described as "Heavy fuel oil".

## Stocks of finished products and work in progress and stocks of materials and fuel, 1948

## Larger establishments in Great Britain

TABLE 14

	At beginning of year		At end of year	
	Quantity	Value	Quantity	Value
	Th. tons	£'000	Th. tons	£'000
Finished products				
Wheat products	117	1,748	100	1,510
Oat products	8.4	114	3.6	132
Barley products	3.0	89	2.3	70
Maize products	1.7	60	2.3	62
Other finished products	..	214	..	292
Work in progress		59		93
Total finished products and work in progress		2,284		2,159
Materials and fuel				
Wheat	476	5,433	388	4,120
Oats	13.6	255	26.8	589
Barley	20.9	533	8.4	180
Maize	10.5	239	16.6	355
Other descriptions of materials and fuel	..	2,923	..	3,230
Total materials and fuel		9,383		8,473

## Employment and remuneration (a)

## Larger establishments

TABLE 15

	Average number of operatives			Administrative, technical and clerical employees (b)			Total		
	1948(c)	1937(d)	1935(d)	1948(c)	1937(d)	1935(d)	1948(c)	1937(d)	1935(d)
Males									
Under 18	453	940	915	193	385	308	646	1,325	1,223
All ages	18,891	21,708	21,421	4,594	6,084	5,983	23,485	27,792	27,404
Females									
Under 18	472	300	226	337	198	128	809	498	354
All ages	3,647	1,589	1,646	1,949	1,476	1,401	5,596	3,065	3,047
Total									
Under 18	925	1,240	1,141	530	583	436	1,455	1,823	1,577
All ages	22,538	23,297	23,067	6,543 (e)	7,560	7,384	29,081 (e) (f) (g)	30,857	30,451
Total remuneration	£'000 6,831	..	..	£'000 2,982	..	..	£'000 9,813	..	..

(a) Excluded employees. The following numbers were employed at establishments in this trade but are not included in the table or in any other report (e.g., employees in a separate selling or transport organisation for which separate accounts are kept):-

Canteen workers	13 males	224 females
Other workers	751 males	145 females

(b) Number at September 25, 1948, October 16, 1937, and October 12, 1935.

(c) Great Britain only.

(d) United Kingdom.

(e) There were, in addition, 43 working proprietors (41 males and 2 females) in 1948. Working proprietors are included in the 1937 and 1935 figures.

(f) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to £227,000.

(g) The following persons (included in this total) were employed on special work by establishments employing 100 or more persons:-

	Operatives	Administrative, technical and clerical employees
Transport of goods outside the premises	661	
Maintenance and repair of firms' buildings, but not plant	127	
Research work not directly connected with current production however charged	-	8

Wages and salaries paid, 1948 (a)  
Larger establishments in Great Britain

TABLE 16

	Amount paid by all establishments	Establishments making returns for the year ended August, 1948					
		Amount paid	Percentage of annual remuneration paid in				
			First quarter	Second quarter	Third quarter	Fourth quarter	Year
Wages and salaries of	£'000	£'000					
Operatives	6,831	2,812	24.4	24.5	25.0	26.1	100.0
Administrative, technical and clerical employees	2,982	1,181	23.8	25.4	24.6	26.1	100.0
Total	9,813	3,993	24.2	24.8	24.9	26.1	100.0

(a) Including bonus and commission payments.

TABLE 17 - Payments for work done on materials given out, 1948  
Larger establishments in Great Britain

The total amount paid for work done on materials given out was £8,000.

Payments for certain services, 1948  
Larger establishments in Great Britain

TABLE 18

	Amount paid
	£'000
Repair and maintenance	
Of buildings	187
Of plant, machinery and vehicles	381
Unclassified	478
Hire of plant, machinery and vehicles	182
Advertising and market research	
Advertising in newspapers, magazines and periodicals	137
Other advertising services (poster display, despatch of circulars, etc.) and market research	93
Unclassified	397
Payments made for research work	
To research associations	6
To universities, institutions, academic bodies and similar agencies	1
To other commercial concerns	8
Postage, telephone, telegrams and cables	158
Commercial insurance premiums	339
Rates (excluding water rates) payable in the year	105(a)

(a) Including £3,000 recorded as "Rates (including water rates) payable in the year".

## Plant, machinery and vehicles acquired and disposed of, 1948

## Larger establishments in Great Britain

TABLE 19

	Acquisitions		Disposals
	New	Second-hand	
	£'000	£'000	£'000
Plant and machinery	1,047	30	88
Vehicles	306	46	44
Total	1,353	76	131

## Capital expenditure on building work and changes in occupation of buildings and land, 1948

## Larger establishments in Great Britain

TABLE 20

	£'000	£'000
1. Capital expenditure on building work (a)		272
2. Existing buildings and land (b)		
(1) Capital cost of freeholds bought	68	
Estimated capital value of		
(11) Rented property newly occupied in the year (c)	82	
(111) Leasehold buildings and land newly occupied in the year	14	
Total of heading 2		164
Total of headings 1 and 2		436
3. Existing buildings and land relinquished (d)		26
4. Headings 1 and 2 less heading 3		410

- (a) Excluding site value which, where appropriate, is included in heading 2(1).  
 (b) The figures do not reflect changes in ownership of previously occupied land and buildings.  
 (c) Property which is occupied under an agreement for the payment of rent without the purchase of a lease or the payment of a premium.  
 (d) Including property destroyed or abandoned.

1948

## Summary

## Larger establishments

TABLE 21

	England	Wales	Scotland	Great Britain
	£'000	£'000	£'000	£'000
Gross output (production)	99,286	5,465	15,200	119,950
Cost of materials and fuel used	78,450	4,448	12,630	95,528
Payment for work done on materials given out	6	-	2	8
Net output	20,830	1,017	2,568	24,414
Wages and salaries of persons employed	8,267	521	1,025	9,813
	No.	No.	No.	No.
Average number of persons employed (a)	24,517	1,612	2,995	29,124
	£	£	£	£
Net output per person employed (a)	850	631	857	838
Stocks at end of year	£'000	£'000	£'000	£'000
Finished products and work in progress	1,730	87	342	2,159
Materials and fuel	6,916	518	1,039	8,473
	No.	No.	No.	No.
Number of establishments	279	6	53	338

(a) Excluding outworkers.

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

	England	Wales	Scotland	Great Britain
	£'000	£'000	£'000	£'000
Output of firms in this trade				
Total value of sales (see Table 23)	101,954	5,778	15,541	123,273
Adjustment for changes in stocks and work in progress	- 52	- 30	- 43	- 125
Less payment for transport by other firms	2,616	283	298	3,198
Gross output (production)	99,286	5,465	15,200	119,950
Materials and fuel used by firms in this trade				
Purchases (see Table 24)	77,653	4,289	12,676	94,618
Adjustment for changes in stocks	+ 797	+ 159	- 46	+ 910
Materials and fuel used	78,450	4,448	12,630	95,528

## Summary

## Small firms

TABLE 22

	England	Wales	Scotland	Great Britain
Number of returns	707	47	189	943
Average number of persons employed (a)				
Males	2,968	139	660	3,767
Females	352	22	84	458
Total	3,320	161	744	4,225

(a) Including working proprietors.

## Sales in the trade

## Larger establishments

TABLE 23

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Principal products						
Wheat products						
Meal and flour						
Self-raising flour	165	4,008	10	230	176	4,237
Wholemeal, wheatmeal and other speciality flour	1,452	24,350	333	5,432	1,785	29,782
Semolina	66	2,421	3	113	69	2,534
Other meal and flour	2,778	44,843	140	2,316	2,918	47,158
Unclassified	63	1,031	3	46	66	1,077
Cut and kibbled wheat	-	4	-	-	-	4
Bran, pollard, sharps and middlings (including weatings and superfine weatings)	635	5,786	74	680	709	6,466
Other by-products	8	104	-	1	8	104
Unclassified	{ 4 .. 55	{ 59 55	{ - -	{ - -	{ 4 .. 55	{ 59 55
Breakfast foods, packeted for retail sale	52	4,864	-	-	52	4,864
Total wheat products	{ 5,225 ..	{ 87,469 55	{ 563	{ 8,817	{ 5,787 ..	{ 96,285 55
Oat products						
Crushed and ground oats	17.4	401	1.5	33	18.9	434
Meal and flour	10.2	424	37.0	1,681	47.2	2,105
Groats, rolled oats and similar products	34.2	1,798	42.0	2,071	76.2	3,870
By-products	20.6	206	47.0	470	67.6	676
Unclassified	-	1	14.1	410	14.1	410
Total oat products	82.4	2,830	141.6	4,665	224.0	7,495

TABLE 23 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Principal products (contd.)						
Barley products						
Meal	42.7	773	4.0	73	46.7	846
Barley flour, and pearled, blocked, flaked, puffed and pot barley, including breakfast foods packeted for retail sale	58.3	2,047	16.1	670	74.4	2,717
By-products	12.0	172	4.1	54	16.1	226
Total barley products	113.0	2,991	24.3	798	137.2	3,788
Maize products (excluding maize starch)						
Breakfast foods packeted for retail sale and other flaked maize	78.4	3,992	14.4	195	92.7	4,187
Meal, flour and other milled products	56.0	682	6.1	73	62.1	755
Total maize products	134.4	4,674	20.4	268	154.8	4,942
Rice products						
Whole (husked or cleaned)	..	(a)	..	(a)	2.8	166
All other rice products	2.6	145	0.9	53	3.6	198
Total rice products	..	(a)	..	(a)	6.4	364
Rye meal and flour; soya meal and flour; rye by-products; other meals, flours and by-products (except bean and pea meals and flours, and soya by-products)	19.0 ..	871 213	1.4	39	20.4 ..	910 213
Bean meal and flour	0.1	2	0.1	6	0.2	8
Pea meal and flour	3.1	99	0.9	53	4.0	151
Soya by-products	0.4	3	-	-	0.4	3
Split lentils	..	(a)	..	(a)	2.7	192
Split peas	..	(a)	..	(a)	11.9	810

TABLE 23 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Principal products (contd.)						
Compound cakes, cubes, meals, etc.						
For cattle	128.7	1,823	7.8	120	136.6	1,943
For calves	9.8	156	1.4	22	11.1	177
For pigs	77.4	1,207	3.1	50	80.5	1,257
For poultry	174.6	2,820	9.6	162	184.2	2,982
Other sorts	8.3	132	0.4	6	8.7	138
Unclassified	8.3 ..	123 50	1.8	32	10.0 ..	155 50
Other animal and poultry feeding stuffs	..	(a)	..	(a)	12.6	264
Screenings, not included elsewhere	..	(a)	..	(a)	1.8 ..	18 56
Total milled products	..	106,774	..	15,483	..	122,257
Peat and peat moss litter, etc.	42.6 ..	214 26	7.1	30	49.8 ..	244 26
Milling done by grist millers and others on commission (b)		117		15		131
Other work done on commission (b)		14		-		14
Total principal products		107,144		15,527		122,671
Other output						
Oilseed cake kibbled or ground	1.5	21	0.5	7	2.0	27
Hay and straw chopped	3.8	43	-	-	3.8	43
Dog foods	6.1	426	-	-	6.1	426
Food products	..	77	..	-	..	77
Other goods	..	22	..	6	..	28
Total		107,732		15,541		123,273

(a) Owing to the risk of disclosure of information relating to individual firms, separate figures cannot be given.

(b) Amount charged.



## Purchased materials and fuel

## Larger establishments

TABLE 24

	England and Wales		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Materials						
Wheat						
Home-grown	1,000	10,225	62	626	1,063	10,851
Imported	3,672	41,033	415	4,511	4,086	45,544
Oats						
Home-grown	53.1	1,133	109.7	2,241	162.8	3,374
Imported	30.2	645	34.8	776	65.0	1,420
Barley						
Home-grown	88.0	1,942	20.7	571	108.7	2,513
Imported	53.9	807	5.2	78	59.1	886
Maize	223.2	2,983	240	233	247.2	3,217
Wheat flour purchased for blending with millers' own products	583.0	9,069	76.1	1,166	659.1	10,235
Wheat offals purchased for further manufacture or for mixing with millers' own products	22.3	216	3.5	32	25.8	248
Rye	..	(a)	..	(a)	10.3	254
Rice	5.0	260	1.3	67	6.4	327
Peas, beans (other than soya beans) and lentils	..	(a)	..	(a)	22.6	1,064
Groats purchased for further manufacture	..	(a)	..	(a)	11.6	504
Oilseed cake and meal	90.9	952	5.3	59	96.2	1,010
Sacks	Th. gross		Th. gross		Th. gross	
New	111	1,341	70	661	182	2,002
Second-hand	..	190	..	51	..	242
New	57	498	7	47	64	545
Second-hand	..	91	..	23	..	114

TABLE 24 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Materials (contd.)						
Other packing materials	..	2,995	..	278	..	3,273
All other purchased materials	..	4,105	..	471	..	4,576
Unclassified materials	..	106	..	96	..	202
Fuel and electricity	Th. tons		Th. tons		Th. tons	
Coal	273.0	714	33.1	88	306.1	803
Coke	7.5	25	1.6	6	9.1	31
Electricity purchased (b)	Th. B. T. U. (kW. hrs.)		Th. B. T. U. (kW. hrs.)		Th. B. T. U. (kW. hrs.)	
From public supply	234,594	905	22,538	80	257,132	985
From other sources	603	3	-	-	603	3
Electricity obtained from other works under the same ownership	-	-	-	-	-	-
Motor spirit (petrol) and deriv. fuel	Th. galls.		Th. galls.		Th. galls.	
Used for road vehicles	1,678	154	139	13	1,816	167
Used for other power purposes	255	12	29	1	284	14
Other oil fuel (including creosote/pitch mixtures)	880	36	97	4	978	41
Gas purchased from public supply and other sources	Th. therms		Th. therms		Th. therms	
Gas obtained from other works under the same ownership	2,046	80	11	-	2,057	81
Gas obtained from other works under the same ownership	-	-	-	-	-	-
All other purchased fuel	..	7	..	-	..	8
Materials and fuel, unclassified	..	88	-	-	..	88
Total		81,942		12,676		94,618

(a) Owing to the risk of disclosure of information relating to individual firms, separate figures cannot be given.

(b) The total quantity of electricity consumed in England and Wales was 246,707,000 B.T. units including 11,510,000 generated in the same works. The total quantity of electricity consumed in Scotland was 23,649,000 B.T. units including 1,111,000 generated in the same works.

## Employment and remuneration

## Larger establishments

TABLE 25

	England and Wales			Scotland			Great Britain		
	Average number of operatives	Administrative, technical and clerical employees (a)	Total	Average number of operatives	Administrative, technical and clerical employees (a)	Total	Average number of operatives	Administrative, technical and clerical employees (a)	Total
Males									
Under 18	402	174	576	51	19	70	453	193	646
All ages	16,845	4,113	20,958	2,046	481	2,527	18,891	4,594	23,485
Females									
Under 18	443	298	741	29	39	68	472	337	809
All ages	3,415	1,719	5,134	232	230	462	3,647	1,949	5,596
Total									
Under 18	845	472	1,317	80	58	138	925	530	1,455
All ages	20,260	5,832 (b)	26,092 (b) (c)	2,278	711 (b)	2,989 (b) (c)	22,538	6,543 (b)	29,081 (b) (c)
Total remuneration	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000
	6,133	2,655	8,788	698	327	1,025	6,831	2,982	9,813

(a) Number at September 25, 1948.

(b) There were, in addition, 43 working proprietors (41 males, 2 females) in Great Britain; 35 males, 2 females in England and Wales, and 6 males in Scotland.

(c) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to a total of £227,000; £203,000 for England and Wales, and £24,000 for Scotland.

## Monthly index of employment of operatives: Larger establishments

(average employment in the year ended August, 1948 = 100)

TABLE 26

Month	Monthly index (a)			Month	Monthly index (a)		
	England and Wales	Scotland	Great Britain		England and Wales	Scotland	Great Britain
1947				1948			
September	99.7	100.4	99.7	April	99.9	100.8	100.0
October	100.2	101.9	100.4	May	99.9	100.0	99.9
November	100.6	102.9	100.8	June	99.9	99.1	99.8
December 1948	100.2	98.3	100.0	July	100.0	97.6	99.8
January	99.7	99.8	99.8	August	100.4	98.7	100.2
February	100.0	100.2	100.0	Percentage employment in this trade covered by the index	43.0	43.9	43.1
March	99.6	100.2	99.7				

(a) The index numbers are calculated from the number of operatives employed in one week in each month returned by larger establishments that made returns for the twelve months ended August, 1948.

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