BOARD OF TRADE

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The Report on the Census of Production for 1954

Volume 9: Industry E

STARCH

Presented by the Board of Tradel 90 Parliament in pursuance of the Statistics of Trade Act, 1947 (10 & 11 Geo. 6 Ch. 39, Sec. 7)

LONDON: HER MAJESTY'S STATIONERY OFFICE

1957

PRICE 1s 6d NET

The Report on the Census of Production for 1954

VOLUME 9 INDUSTRY E

STARCH

THIS REPORT on the Starch Industry relates to establishments engaged wholly or mainly in the manufacture of starch, cornflour, dextrine and laundry blue.

This industry corresponds to minimum list heading 162(5) in the Standard Industrial Classification.

There were no establishments in Northern Ireland in the register for this industry.

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The following notes describe terms in general use in the tables of the report. More detailed explanations of the terms used and a description of the scope and method of taking the census are given in the separate booklet entitled 'The Report on the Census of Production for 1954 - Introductory Notes' (price 1s. 6d. net).

Industrial Classification: Establishments are classified to industries according to the nature of their output and, as far as possible, in conformity with the Standard Industrial Classification. Certain products are identified as the principal products of individual industries, the principal products for a given industry being of a similar nature or commonly associated in production. The principle of classification normally followed is that an establishment is classified to an industry if its output of the principal products of that industry accounted for a greater proportion of the value of its output than did its output of the principal products of any other industry.

Specialist producers normally comprise those establishments 50 per cent. or more of whose total output by value is accounted for by the characteristic products of the specialist group.

Intermediate products: For some industries figures are given showing the total quantitles made during the year of intermediate products, i.e., products which may further processed in the establishments in which they are produced.

Larger establishments: The information given in the report relates mainly to 'larger establishments', i.e., establishments of firms employing on the average more than 10 persons. In most cases an establishment com-prises the whole of the premises under the same ownership or management at a particular address (e.g., a mine or factory). Offices, warehouses, laboratories and other ancillary places of business situated apart from the producing works are not regarded as separate establishments and are included in the return for the works. Small firms are those employing on the average 10 or fewer persons.

The estimates for the industry as a whole given in Table 1 are normally obtained by increasing the other items shown in the same proportion as total employment.

Gross output (production) is the total value of goods made and other work done during the year: it is obtained by adjusting the value of sales and work done during the year for changes in the value of stocks of products on hand for sale and work in progress.

Net output is the amount left after deducting from the value of gross output the aggregate of the cost of materials and fuel used, the amount paid for work given out, and, for 1951 and 1954, any transport payments made. 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.

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. The value of sales is the net selling value, i.e., the amount charged to customers, whether on an ex-works 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.

Materials and fuel: The total 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: packing materials, including the full cost of returnable cases when first purchased; workshop and office materials; water charges; materials for repairs to buildings, plant and vehicles when carried out by firms' own workpeople included in their returns; consumable tools; and parts for machinery purchased as replacements. Purchases of goods for merchanting are excluded. The cost of materials and fuel used, given in Table 2, is obtained by adjusting purchases for changes during the year in the value of stocks.

Stocks: Firms were required to give stocks of materials and fuel, products on hand for sale, and work in progress, at income tax values.

Customs and Excise Duty paid on materials purchased is normally included in the cost of materials. Finished goods are similarly valued as they were sold, duty-paid or duty-free. The net amount of any duty paid is deducted in arriving at net output.

Employment: Total employment includes working proprietors, administrative, technical and clerical employees, and operatives, but excludes outworkers, 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. Employees are persons on the pay-roll (i.e., persons whose National Insurance cards were held by employers), whether employed full-time or part-time.

Working proprietors are proprietors of businesses other than limited companies, together with members of their families who worked in the business without receiving fixed wages or salaries. Any persons working less than half the normal hours are excluded. For Northern Ireland directors of limited companies (other than those paid by fee only) are also included.

Administrative, technical and clerical employees include directors, other than those paid by fee only (except in Northern Ireland); managers, superintendents and works foremen; research, experimental, development, technical and design employees (other than operatives); draughtsmen and tracers: travellers: and office (including works office) employees.

Operatives include all other classes of employees, i.e., broadly speaking, all manual workers.

Outworkers are persons employed by the firm who work on materials supplied by the firm in their own homes.

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

Capital expenditure includes expenditure on new building work, and on plant, machinery and vehicles, charged to capital account during the year, including any transport and installation costs involved. It includes expenditure in respect of establishments in Great Britain which had not begun production before the end of the year (which has not previously been included in the Census of Production reports for individual industries).

Symbols used.

.. for not available

- for nil or negligible (less than half the final digit shown).

Where figures are rounded, e.g., given to the nearest £ thousand, there may be apparent slight discrepancies between the sums of constituent items and the totals shown. In some cases, figures have been combined with others of a similar nature where publication of separate details might disclose information relating to an individual undertaking.

	A Providence in the	United Kingdom			Wales
salar sall antique averages has eaple	1948	1951	1954	1954 (a)	1954
	£ million	£ million	£ million	£ million	£ million
Gross output (production)	3.9	7.0	9.7		
Net output	1.5	2.4	3.5	a section of	-
Total stocks and work in progress At beginning of year Change during year	0.6	0.8	1.0		
Capital expenditure less disposals (b)	0.1	0.2	0.2		Totol -
Wages and salaries	0.9	1.0	1.2	a a trail and a trail	a the init - lost
Total employment (including working proprietors)	Thousands 2.6	Thousands 2.7	Thousands 2.5	Thousands 	Thousands -

(a) Owing to the risk of disclosure of information relating to individual firms, separate particulars cannot be given. (b) Capital expenditure on new building work, plant, machinery and vehicles (including (except in 1948) that

incurred in Great Britain for establishments not yet in production), less amounts received for plant, machinery and vehicles disposed of.

TABLE 2

TABLE 1

IRMS EMPLOYING ON AVERAGE	MORE THAN 10 PERSONS
Number of establishments	
Total value of sales and wor	k done
Products on hand for sale	fat beginning of year
and work in progress	change during year
Gross output (production) (a)
Purchases of materials and for	uel
Stocks of materials and fuel	fat beginning of year
	L change during year
Cost of materials and fuel u	sed
Payment for work done on mate	erials given out
Payment for transport (b)	
Net output	
net output	1
Average number of employees	operatives
Total employment (d)	Cothers
Net output per person employe	ad (d)
entration per person emproye	
Wagaa J J J	(of operatives
Wages and salaries	{ of operatives of others
Capital expenditure	
New building work (e)	
Plant and machinery	∫acquisitions (e)
	disposals
Vehicles	{acquisitions (e)
	{disposals
IDIG FUELOUTIG ON AUTOLOG	
IRMS EMPLOYING ON AVERAGE	10 OR FEWER PERSONS
Number of returns	
Total employment, including	working
proprietors	
(a) For 11	
(a) For the year 1948 gross of	utput excludes payments for
for subsequent years gro	ss output includes payments
(b) Payments to other firms of	isations for transport serviced undertabling
Vegr 1948 payments cover	only transport outwards of
Cover payments for trans	port of both finished goods
(C) Number in week ended Sept	ember 25, 1948.
(a) Excluding outworkers and	including working proprieto
(e) Excluding expenditure for	establishments not vet in
	Joe In
3584)	

STARCH

Industry summary: Estimates for the industry as a whole

Summary of returns received

	Unit		United Kingdom	
	ar Kinabi .	1948	1951	1954
	er bisketter	Salar and Street		
	No.	19	19	19
	£'000	3,869	6,607	9,298
		232	311	416
		- 7	+ 189	+ 61
	"	3.762	6,796	9,360
		2.364	4,633	6,010
		383	481	597
		- 25	- 332	+ 242
		2,339	4,300	5,768
		101	190	1 225
		101	100	445
10.0		1.423	2,288	3,366
	No.	1,944	2,001	1,797
		597(c)	573	643
		2,543	2,576	2,442
	£	560	888	1,379
	£'000	551	709	748
		286	293	424
		yblade dorate		t' have devente
		42	59	Designed and the second s
		74	81	153
		2	1	3
		9	21	35
		4	2	8
			and the second second	
	No.	9	12	12
		60	84	78
	+	services entra	rda an finishad a	reads sold

transport services outwards on finished goods sold. to other firms and undertakings and to firms' own ices.

s' own separate transport organisations. For the finished goods sold. For subsequent years they sold and materials and fuel purchased.

TS.

production.

STARCH

Analysis by size, 1954

Larger establishments in the United Kingdom

Average number	Estab-	Gross	Net	Employees				Capital per pera	Net outpu per perso
employed (a)	lish- ments	output	output	Operatives	Others	Operatives		expenditure (b)	employed (a)
	Number	£'000	£'000	Number	Number	£'000	£.000	£° 000	£
11 - 49	8	992	243	172	63	70	44	14	1.025
50 - 749	11	8,368	3,123	1.625	580	678	379	174	1,416
Total	19	9,360	3,366	1,797	643	748	424	188	1,379

(a) Excluding outworkers and including working proprietors.
(b) Capital expenditure on new building work and on acquisition of plant, machinery and vehicles, excluding expenditure for establishments not yet in production.

TABLE 4 - Analysis according to specialisation within the industry, 1954

Larger establishments in the United Kingdom

No specialisation within this industry was distinguished.

Sales of the principal products of the industry, including sales of these products by establishments classified to other industries

Larger establishments in the United Kingdom

	19:	51		1954	
	Quantity	Value	Quantity	Value	Entries
	Th.cwt.	£'000	Th.cwt.	£'000	Number
Maize starch, whether or not for use as food, including pre-packed cornflour	281.2	1,231	1,120.0	4,281	12
Rice starch	80.7	510			
Wheat starch	53.6	170(a)	35.7	78 132	}
Maize starch products			the Constant of States of States		F
Gluten feed	-		614.4	875	
Dextrine (including soluble starch, thin boiling starch and 'British gum') and starch wholly or partly dextrinised or gelatinised	753.6	2,678	876.1	3.346	17
Laundry blue	55.5	521	0/0.1	3,340	
Waste products		11		14	6
Work done for the trade or on commission (b)	983.7	812(c) 87	}	52	5
Total		6,020		8,778	1
Sales in other industries (see Table 6)		626		1,327	
Principal products of this industry sold by establishments in the industry	enter erteretet	5,394	AND SHOULD BE AND A	7,451	16

(a) Including starch of other kinds, not elsewhere specified.

(b) Amount charged.(c) Maize starch manufactured for the Ministry of Food.

-		
Maize starch and mai	ize starch products	
Wheat starch	he hired Kingens	h
Dextrine (including starch and 'British partly dextrinised	soluble starch, thin boiling h gum') and starch wholly or or gelatinised	-
Laundry blue Total		4
and the second s		
	Sales in the industry o	ofo
	Sales in the industry of Larger establishme	
TABLE 7		
TABLE 7		
TABLE 7 Adhesives		
Adhesives		
Adhesives Chemicals		
Adhesives Chemicals Other goods		
Adhesives Chemicals Other goods		
Adhesives Chemicals Other goods		

TADIE 5

9/E/4

STARCH

Sales of principal products of the industry by establishments classified to other industries

Larger establishments in the United Kingdom

	1954				
Quantity	Value	Entries	industries in which produced (a)		
Th.cwt.	£'000	Number			
342.0	. 647	9	8H. 9G		
162.3	548 132	} 10	2B, 2E, 2Q, 9G		
	1,327	19	ales The set		

to the industries shown in the list at the back of

her than principal products in the United Kingdom

	1954		
	Quantity	Value	
	Th.cwt.	£,000	
	99.9	454	
h	251.3	29	
1	••	12	
1		1,352	
	and the second second second	1,848	

9/E/5

TABLE 8 - Total make of intermediate products

Larger establishments in the United Kingdom

Owing to the risk of disclosure of information relating to individual firms separate details cannot be given.

Purchases of materials and fuel, 1954

Larger establishments in the United Kingdom

		1000	-
TA	BI	F.	9

	Quantity	Cost
	Th.cwt.	£,000
Materials		
Starch	a summer in the second second	
Maize	365.7	823
Potato	219.2	508
Other	148.9	402
Replacement parts for machinery, plant and vehicles and consumable tools bought as replacements		120
All other purchased materials	,	3,929
Fuel and electricity	Th.tons	
Coal	30.3	129
Coke	2.6	12
Liquid fuels (including creosote/pitch mixtures)	Th.gal. 187.2	19
Gas purchased	Th. the rms	
From Gas Boards	187.2	10
From other sources, including other departments of the same firms	- Denne 14	and the second
Electricity purchased	Th.kWh.	
From Electricity Boards	12,139	60
From other sources, including other departments of the same firms	-	a she and
All other purchased fuel		10705 -
Total Cost		6,010

TABLE 10

Average number of employees

Operatives Administrative, technical and clerical employees

Total

Wages and salaries paid to

Operatives Administrative, technical and clerical employees

Total

Wages and salaries per head

Operat**ives** Administrative, technical and clerical employees

Superannuation and other pension funds for employees and dependents

Employers' contributions

Employees covered

Pension, etc. payments to former employees and dependents

Employment in a specified week (a)

Larger establishments in the United Kingdom

TABLE 11

TABLE 11						Numbe
	1951			. 1954		
	Males	Females	Total	Males	Females	To tal
Working proprietors	2	-	2	2	-	2
Operatives Administrative, technical and	1,336	708	2,044	1,135	502	1,637
clerical employees	365	222	587	398	236	634
Total employees	1.701	930	2,631	1,533	738	2,271

(a) Week ended September 22, 1951, or October 30, 1954.

STARCH

Average number of employees, and wages, salaries and superannuation payments

Larger establishments in the United Kingdom

1951	1954
Number	Number
2,001 573	1,797 643
2,574	2,440
£'000	£* 000
709 293	748 424
1,002	1,172
£	£
354 511	416 659 £'000
	48
	Number 1,838 £'000
	14

9/E/7

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Printed in Great Britain