

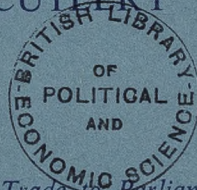
BOARD OF TRADE

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*The Report on the
Census of Production
for 1954*

Volume 5: Industry B

CUTLERY



*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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The Report on the Census of Production for 1954

VOLUME 5, INDUSTRY B

CUTLERY

THIS REPORT on the Cutlery Industry relates to establishments engaged wholly or mainly in the manufacture of knives, scissors, razors (not electric), razor blades, manicure sets, other cutlers' wares and table forks and spoons of steel (not silver-plated).

This industry corresponds to minimum list heading 90(2) in the Standard Industrial Classification.

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

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IMPORTANT NOTES and definitions appear on the next page. In interpreting the data in the tables, it is essential to bear these in mind.

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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 quantities made during the year of intermediate products, i.e., products which may be 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 comprises 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 (includ-

ing 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 work-people 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.

Industry summary

Estimates for the industry as a whole

TABLE 1

	United Kingdom			Scotland	Wales
	1948	1951	1954	1954 (a)	1954 (a)
	£ million	£ million	£ million	£ million	£ million
Gross output (production)	14.1	21.6	19.7	..	..
Net output	9.7	13.8	13.6	..	..
Total stocks and work in progress					
At beginning of year	2.1	2.4	2.9	..	..
Change during year	+ 0.2	+ 1.0	+ 0.1	..	..
Capital expenditure less disposals (b)	0.5	0.5	0.4	..	..
Wages and salaries	4.3	5.2	4.8	..	..
Total employment (including working proprietors)	Thousands	Thousands	Thousands	Thousands	Thousands
	14.7	15.3	12.3	..	..

(a) Owing to the risk of disclosure of information relating to individual firms, separate figures 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.

Summary of returns received

TABLE 2

	Unit	Great Britain	United Kingdom	
		1948	1951	1954
FIRMS EMPLOYING ON AVERAGE MORE THAN 10 PERSONS				
Number of establishments	No.	174	165	126
Total value of sales and work done	£'000	12,456	19,037	17,112
Products on hand for sale	"	956	990	1,173
and work in progress	"	83	429	71
Gross output (production) (a)	"	12,519	19,466	17,183
Purchases of materials and fuel	"	3,872	7,174	5,093
Stocks of materials and fuel	"	929	1,152	1,330
Cost of materials and fuel used	"	124	496	48
Payment for work done on materials given out	"	3,748	6,678	5,045
Payment for transport (b)	"	173	225	199
	"	20	73	72
Net output	"	8,597	12,490	11,868
Average number of employees	{ operatives	No. 11,299	11,915	9,049
	{ others	" 1,687(c)	1,816	1,622
Total employment (d)	"	13,046	13,789	10,704
Net output per person employed (d)	£	659	906	1,109
Wages and salaries	{ of operatives	£'000 2,941	3,583	3,164
	{ of others	" 859	1,067	1,040
Capital expenditure				
New building work (e)	"	47	151	98
Plant and machinery	{ acquisitions (e)	" 408	301	264
	{ disposals	" 32	37	55
Vehicles	{ acquisitions (e)	" 50	103	68
	{ disposals	" 12	24	33
FIRMS EMPLOYING ON AVERAGE 10 OR FEWER PERSONS				
Number of returns	No.	288	243(f)	228
Total employment, including working proprietors	"	1,298	1,188(f)	1,134

(a) For the year 1948 gross output excludes payments for transport services outwards on finished goods sold. For subsequent years gross output includes payments to other firms and undertakings and to firms' own separate transport organisations for transport services.

(b) Payments to other firms and undertakings and to firms' own separate transport organisations. For the year 1948 payments cover only transport outwards of finished goods sold. For subsequent years they cover payments for transport of both finished goods sold and materials and fuel purchased.

(c) Number in week ended September 25, 1948.

(d) Excluding outworkers and including working proprietors.

(e) Excluding expenditure for establishments not yet in production.

(f) Excluding Northern Ireland. No information about small firms was collected in Northern Ireland for 1951.

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Analysis by size, 1954

Larger establishments in the United Kingdom

TABLE 3

Average number employed (a)	Estab-lish-ments	Gross output	Net output	Employees		Wages and salaries		Capital expenditure (b)	Net output per person employed (a)
				Operatives	Others	Operatives	Others		
	Number	£'000	£'000	Number	Number	£'000	£'000	£'000	£
11 - 24(c)	52	769	487	704	110	236	62	8	585
25 - 49	35	1,233	753	1,068	143	350	76	64	615
50 - 99	14	1,459	522	846	144	260	94	31	527
100 - 199	12	1,993	1,334	1,277	220	440	128	66	891
200 - 499	9	2,283	1,459	2,069	366	650	216	85	599
500 and over	4	9,446	7,313	3,085	639	1,228	464	176	1,964
Total	126	17,183	11,868	9,049	1,622	3,164	1,040	430	1,109

(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.

(c) Including a small number of establishments with fewer than 11 persons employed, particulars of which were included with those for larger establishments on a single return.

Analysis according to specialisation within the industry, 1954

Larger establishments in the United Kingdom

TABLE 4

	Unit	Specialist producers of		Remainder of the industry	Total
		Razors (excluding electric) and parts	Knives (other than machine and surgical knives) and scissors (including tailors' shears) and parts		
Number of establishments	No.	11	74	41	126
Total value of sales and work done	£'000	9,856	4,935	2,321	17,112
Sales of characteristic products	"	9,217	4,175		
Products on hand for sale	"	545	496	132	1,173
and work in progress	"	99	24	3	71
Gross output (production)	"	9,954	4,910	2,318	17,183
Purchases of materials and fuel	"	2,145	2,083	866	5,093
Stocks of materials and fuel	"	831	341	158	1,330
Cost of materials and fuel used	"	2,110	2,065	870	5,045
Payment for work done on materials given out	"	4	184	10	199
Payment for transport	"	25	28	19	72
Net output	"	7,815	2,634	1,419	11,868
Average number of employees	No.	2,604	4,501	1,944	9,049
Total employment (a)	"	759	529	334	1,622
Net output per person employed (a)	"	3,364	5,051	2,289	10,704
	£	2,323	521	620	1,109
Wages and salaries	£'000	1,146	1,309	708	3,164
Capital expenditure	"	56	24	18	98
New building work (b)	"	127	61	76	264
Plant and machinery	"	50	4	1	55
Vehicles	"	36	21	11	68

(a) Excluding outworkers and including working proprietors.

(b) Excluding expenditure for establishments not yet in production.

(86250)

CUTLERY

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

TABLE 5

	1951		1954		Entries
	Quantity	Value	Quantity	Value	
	Th.doz.	£'000	Th.doz.	£'000	Number
Knives					
Knives for use in machines, excluding guillotine and shear blades	89	410	47	252	28
	..	679	..	374	
Other knives with one or more blades made wholly or partly of steel or iron, other than surgical knives (a)					
Complete					
Knives with folding blades	967	883	678	766	25
Table, dessert, tea and carving knives, excluding carvers sold with forks or forks and steels	1,874	2,178	1,513	1,652	50
Trade knives	193	304	112	196	29
Kitchen knives	61	67	311	722	25
Other knives	114	186	70	128	20
	..	46	..	23	
Unclassified (b)	..	158	..	153	16
Blades and blanks for blades, sold separately	1,180	439	1,175	521	21
	..	345	..	131	
Other parts and blanks, sold separately	..	29	..	7	..
Carving knives and forks, sold in sets	Th.doz.sets	24	Th.doz.sets		
	3	3	6	50	30
Carving knives, forks and steels, sold as complete sets	19	198	11	106	38
	..	..	..	42	
Scissors (other than secateurs) and tailors' shears, made wholly or partly of steel or iron	Th.doz.prs.		Th.doz.prs.		
Complete					
Scissors					
Not exceeding 5in. in length	369	364	337	296	22
Over 5in. in length	242	481	341	448	21
Unclassified	9	24	23	41	..
	..	9	..	7	
Tailors' shears (including pinking shears)	25	128	20	109	15
Razors (other than electrically operated) (c)	Th.doz.		Th.doz.		
Safety					
Complete	959	1,433	789	1,340	9
Component parts thereof, sold separately	Th.gross		Th.gross		
Blades	10,889	7,219	11,764	7,885	13
Other components (including blanks and handles)	..	94	..	97	..
Other razors, complete	Th.doz.		Th.doz.		
	6	13	1	3	5
	..	3	..	..	..
Hair clippers (other than electrically operated), complete	42	138	72	122	..
Guillotine and shear blades	..	358	2	61	11
	..	..	..	426	
Blanks and component parts (including handles and blades) for cutlers' wares, not elsewhere specified	..	193	..	281	11
Canteens and cased cutlery (d)	..	115	..	97	26
Other cutlers' wares	..	148	..	143	12

(86250)

TABLE 5 (contd.)

	1951		1954		Entries Number
	Quantity Th.do.	Value £'000	Quantity Th.do.	Value £'000	
Spoons and forks of stainless steel	184	118	122	123	37
			..	72	
Unclassified cutlery	..	302	..	241	11
Waste products	..	77	..	94	36
Repair work (e)		70		126	26
Work done for the trade or on commission (e)		120		139	26
Total		17,790		17,273	..
Sales in other industries (see Table 6)		1,606		1,670	..
Principal products of this industry sold by establishments in the industry		16,184		15,603	111

- (a) Excluding silversmiths' wares, for which see the Jewellery and Plate Industry (Volume 5, Industry J). For surgical knives see the Scientific, Surgical and Photographic Instruments, etc. Industry (Volume 5, Industry H).
- (b) May include some parts (including blades and blanks) sold separately.
- (c) For electric razors see the Electrical Engineering (General) Industry (Volume 4, Industry K).
- (d) The total value of the canteens and cased cutlery sold in 1954 was £245,000 including the value of cutlery, etc. (£147,000) made by establishments in this industry and included against other appropriate headings. The corresponding figures for 1951 were £264,000 and £149,000.
- (e) Amount charged.

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

Larger establishments in the United Kingdom

TABLE 6

	1954			Principal industries in which produced (a)
	Quantity Th.do.	Value £'000	Entries Number	
Knives				
Knives for use in machines, excluding guillotine and shear blades	7	19	15	4I, 5A
	..	168		
Other knives with one or more blades made wholly or partly of steel or iron, other than surgical knives				
Complete				
Table, dessert, tea and carving knives including forks and steels sold in sets with carvers	..	78	7	5J
Other and unclassified knives, blades and blanks for blades, sold separately and guillotine and shear blades	260	628	22	4I, 5A, 5E, 5J
	..	191		
Razors, safety, complete and blades sold separately	..	68	5	5E, 5H, 5J, 11I
Hair clippers (other than electrically operated), complete	72	122	..	3I, 4I
Canteens and cased cutlery and spoons and forks of stainless steel	..	146	18	5E, 5J
Other cutlers' wares and blanks and component parts (including handles and blades) for cutlers' wares, not elsewhere specified	..	86	7	5A, 5H, 5J
Unclassified cutlery	..	165	11	5A, 5C, 5J
Total		1,670	..	

(a) The volume number and industry references given are to the industries shown in the list at the back of this report.

Sales in the industry of other than principal products
Larger establishments in the United Kingdom

TABLE 7

	1954	
	Quantity Th.do.	Value £'000
Goldsmiths' and silversmiths' wares		
Spoons and forks, other than of stainless steel	813	448
Other sorts	..	108
Tools and implements	..	403
Other goods	..	551
Total		1,509

TABLE 8 - Total make of intermediate products

Larger establishments in the United Kingdom

This table is not applicable to the industry.

Purchases of materials and fuel, 1954

Larger establishments in the United Kingdom

TABLE 9

	Quantity	Cost
	Th.cwt.	£'000
Materials		
Iron and steel		
Drop forgings of iron and steel	0.6	9
Steel bars and rods	49.3	298
	..	56
Steel plates and sheets (other than tin-, terne-, and black-plates and sheets) 1/8in. thick and over, and hoop and strip (including tape) of all thicknesses	56.2	625
	..	146
Iron and steel not specified above except finished parts and scrap	10.6	73
	..	30
Non-ferrous metals in all forms except finished parts and scrap	..	460
	Th.do.	
Blanks for knives	1,095	457
	..	68
Blanks for scissors	69	26
	..	22
Blanks for spoons and forks	754	270
	..	86
Finished plastic components and fittings	421	15
	..	331
Component parts not elsewhere specified	..	48
Plating compounds	..	..

TABLE 9 (contd.)

	Quantity	Cost
		£'000
Materials (contd.)		
Lined cases or cabinets for cutlery canteens, cutlery razors, etc.	..	143
Packing materials		
	Th.cwt.	
Cardboard boxes, cartons and fibre-board packing cases	1.0	5
	..	88
All other packing materials	..	488
Replacement parts for machinery, plant and vehicles	..	108
Consumable tools bought as replacement	..	112
All other purchased materials	..	747
Unclassified	..	91
Fuel and electricity		
	Th.tons	
Coal	2.4	10
	..	1
Coke	2.0	12
	..	2
Liquid fuels (including creosote/pitch mixtures)		
	Th.gal.	
For use in internal combustion engines	100	21
	..	2
For burning in furnaces, boilers, kilns, etc.	454	19
Gas purchased		
	Th.therms	
From Gas Boards	1,329	60
	..	17
From other sources, including other departments of the same firms	-	-
Electricity purchased (a)		
	Th.kWh.	
From Electricity Boards and other sources, including other departments of the same firms	21,868	126
	..	15
All other purchased fuel		3
Total		5,093

(a) Owing to the risk of disclosure of information relating to individual firms the total quantity of electricity generated in firms' own establishments cannot be given.

Average number of employees and wages, salaries and superannuation payments (a)
Larger establishments in the United Kingdom

TABLE 10

	1951	1954
Average number of employees	Number	Number
Operatives	11,915	9,049
Administrative, technical and clerical employees	1,816	1,622
Total	13,731	10,671
Wages and salaries paid to	£'000	£'000
Operatives	3,583	3,164
Administrative, technical and clerical employees	1,067	1,040
Total	4,650	4,204
Wages and salaries per head	£	£
Operatives	301	350
Administrative, technical and clerical employees	588	641
Superannuation and other pension funds for employees and dependents		£'000
Employers' contributions	..	109
Employees covered	..	Number 2,218
Pension, etc. payments to former employees and dependents	..	£'000 9

(a) The following persons, not included above, were also employed by larger establishments in this industry ('other workers' includes, for example, employees engaged in merchanting):

	1951	1954
Canteen workers	Number	Number
Male	6	3
Female	134	108
Total	140	111
Other workers		
Male	33	30
Female	50	46
Total	83	76
Total excluded employees	223	187
Outworkers		
Male	687	351
Female	119	40
Total	806	391
Payments to outworkers	£'000 240	£'000 117

Employment in a specified week (a)

Larger establishments in the United Kingdom

TABLE 11

	1951			1954		
	Males	Females	Total	Males	Females	Total
Working proprietors	54	4	58	33	-	33
Operatives	5,740	6,344	12,084	4,384	4,911	9,295
Administrative, technical and clerical employees	1,041	817	1,858	877	751	1,628
Total employees	6,781	7,161	13,942	5,261	5,662	10,923

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

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