



BOARD OF TRADE

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[HA 251]

Report on the Census of Production 1963

13 Cocoa, chocolate and sugar confectionery

These notes give the main information needed for interpreting the figures in the industry reports. (Note detailed information about the Census is given in a separate booklet - 'Introductory Notes', Part 1 of the report on the Census of Production for 1963.)

BOARD OF TRADE

Report on the Census of Production 1963

Presented by the Board of Trade to Parliament in pursuance of the Statistics of Trade Act 1947 (10 & 11 Geo. 6 Cha. 39 Sec. 7)

TERMS USED IN THE CENSUS REPORT

Average number employed

Firms were required to state the number of persons on the payroll (i.e. whose National Insurance cards were paid by them) on the average during the year of return, whether full-time or part-time employees. Separate figures were required for (a) administrative, technical and clerical employees and (b) operatives (see below). Averages could be calculated from figures relating to the last week of each calendar month. Figures shown in respect of the average number employed relate to the sum of these averages. Firms were also required to state the total of working proprietors (see below) where appropriate and these are included in total employment figures. Outworkers are excluded.

Capital Expenditure

(1) New building work

This represents the cost incurred during the year of new building and other new construction work (including office buildings, canteens and the like used in connection with the business covered by the return but not dwelling houses for employees). The value is that charged to capital account during the year of return; it includes expenditure on new buildings or the extension or reconstruction of old buildings; the value of work of a capital nature carried out by firms' own staffs, and the cost of any newly constructed buildings purchased. The figures shown include any legal charges, stamp duties, agents' commissions, etc.

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TABLE 1 Industry summary: United Kingdom

Estimates for all firms, 1958 and 1963 (a)

| | Unit | 1958 | 1963 | |
|--|---|---------|---------|------------|
| Number of enterprises | No. | 664 | 454 | |
| Number of establishments | " | 728 | 540 | |
| Gross output | £'000 | 261,857 | 265,445 | |
| Net output | " | 95,804 | 116,543 | |
| Net output per head | £ | 945 | 1,269 | |
| Sales and work done | { goods produced and work done merchanted goods and canteen takings | £'000 | 249,438 | 254,851(b) |
| Customs duty and surcharge (net) | " | 400 | - 422 | |
| Purchases | { materials for processing and packaging, and fuel goods for merchandising and canteen purchases | " | 155,495 | 134,605 |
| Payments to other organisations | { for work done on materials given out for transport | " | 456 | 4,127 |
| Stocks and work in progress | | | | |
| Total stocks and work in progress | { change during year at end of year | " | - 1,620 | + 3,959 |
| Goods on hand for sale | { change during year at end of year | " | + 3,268 | - 1,206 |
| Work in progress | { change during year at end of year | " | - 575 | + 84 |
| Materials, stores and fuel | { change during year at end of year | " | - 4,313 | + 5,082 |
| Average number employed | { total, including working proprietors operatives other employees (c) | Th. | 101.4 | 91.8 |
| Wages and salaries | { of operatives of other employees (c) | £'000 | 33,489 | 37,476 |
| Employers' contributions to National Insurance and private pension schemes, etc. (d) | " | " | 12,346 | 15,108 |
| Capital expenditure (e) | | | | |
| Total | " | " | .. | 11,175 |
| New building work | " | " | 2,045 | 3,056 |
| Land and existing buildings (f) | " | " | .. | - 600 |
| Plant and machinery (f) | " | " | 5,349 | 8,102 |
| Vehicles (f) | " | " | 802 | 617 |

(a) For 1963, estimates for small firms and for firms not making satisfactory returns accounted for about 4 per cent. of the total figures in which they were incorporated. (For 1958 the comparable figure was also about 4 per cent.) A summary of the detailed returns received is given in Table 2.

(b) Including services rendered to other organisations (amounts charged for hiring out plant, machinery and other goods, for providing transport, or for technical or other services rendered).

(c) Administrative, technical and clerical employees.

(d) Including pensions and gratuities paid other than from pension funds.

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

(f) Acquisitions less disposals.

TABLE 2 Analysis of larger firms by sub-divisions within the industry, 1958 and 1963
Firms employing 25 or more persons: United Kingdom (a)

| | Unit | Sub-divisions of the industry (b) | | | | Total | |
|---|----------|-----------------------------------|------------|---------------------------|-----------|---------|------------|
| | | Cocoa and chocolate 10 | | Sugar confectionery 21 | | 1958 | 1963 |
| | | 1958 | 1963 | 1958 | 1963 | | |
| Number of enterprises (c) | No. | 53 | 41 | 171 | 108 | 221 | 142 |
| Number of establishments | " | 75 | 65 | 203 | 146 | 278 | 211 |
| Gross output | £'000 | 164,246 | 174,779 | 86,315 | 76,747 | 250,561 | 251,525 |
| Net output | " | 56,717 | 77,781 | 34,954 | 32,650 | 91,671 | 110,431 |
| Net output per head | £ | 1,027 | 1,385 | 835 | 1,058 | 945 | 1,269 |
| Sales and work done | £'000 | 157,222 | 171,299(d) | 81,456 | 70,188(d) | 238,677 | 241,487(d) |
| goods produced and work done | | | | | | | |
| merchanted goods and canteen takings | " | 4,905 | 4,573 | 4,401 | 6,529 | 9,307 | 11,102 |
| Sales of characteristic products | " | 129,819 | 139,650 | 68,599 | 59,312 | (e) | (e) |
| Index of specialisation (f) | Per cent | 83 | 82 | 84 | 85 | 94 | 94 |
| Customs duty and surcharge (net) | £'000 | 540 | 338 | 157 | 63 | 382 | 400 |
| Purchases | " | 100,698 | 89,325 | 48,089 | 38,221 | 148,787 | 127,546 |
| materials for processing and packaging, and fuel | | | | | | | |
| goods for merchandising and canteen purchases | " | 3,915 | | 5,597 | | 9,512 | |
| Payments to other organisations | " | 403 | 3,881 | 33 | 30 | 436 | 3,911 |
| for work done on materials given out | | | | | | | |
| for transport | " | 3,407 | 3,999 | 1,750 | 1,342 | 5,157 | 5,340 |
| Stocks and work in progress | | | | | | | |
| Goods on hand for sale | " | + 2,687 | - 1,167 | + 440 | + 24 | + 3,127 | - 1,143 |
| change during year | | | | | | | |
| at end of year | " | 12,099 | 10,653 | 2,820 | 3,150 | 14,919 | 13,803 |
| Work in progress | " | - 568 | + 74 | + 18 | + 6 | - 550 | + 79 |
| change during year | | | | | | | |
| at end of year | " | 4,720 | 4,660 | 525 | 419 | 5,246 | 5,079 |
| Materials, stores and fuel | " | - 2,481 | + 3,784 | - 1,646 | + 1,031 | - 4,127 | + 4,815 |
| change during year | | | | | | | |
| at end of year | " | 23,869 | 26,760 | 7,318 | 7,505 | 31,187 | 34,265 |
| Average number employed | No. | 55,212 | 56,150 | 41,829 | 30,855 | 97,041 | 87,005 |
| total, including working proprietors | | | | | | | |
| operatives | | | | | | | |
| of other employees (g) | " | 46,039 | 45,851 | 34,878 | 24,802 | 80,917 | 70,653 |
| Wages and salaries | £'000 | 20,221 | 25,371 | 11,865 | 10,327 | 32,086 | 35,698 |
| of operatives | | | | | | | |
| of other employees (g) | " | 6,602 | 9,325 | 5,227 | 5,067 | 11,829 | 14,391 |
| Wages and salaries per head | £ | 439 | 553 | 340 | 416 | 397 | 505 |
| operatives | | | | | | | |
| of other employees (g) | " | 720 | 907 | 753 | 846 | 734 | 885 |
| Employers' contributions to National Insurance (h) | £'000 | .. | 1,432 | .. | 747 | .. | 2,179 |
| Employers' contributions to private pension schemes, etc. (i) | " | .. | 1,555 | .. | 570 | .. | 2,125 |
| Capital expenditure (j) | | | | | | | |
| New building work | " | 1,529 | 2,188 | 428 | 708 | 1,957 | 2,896 |
| Land and existing buildings | " | .. | 168 | .. | 34 | .. | 202 |
| acquisitions | | | | | | | |
| disposals | " | .. | 543 | .. | 228 | .. | 771 |
| Plant and machinery | " | 3,975 | 6,101 | 1,899 | 1,995 | 5,374 | 8,096 |
| acquisitions | | | | | | | |
| disposals | " | 140 | 261 | 115 | 158 | 255 | 419 |
| Vehicles | " | 415 | 456 | 856 | 675 | 1,270 | 1,131 |
| acquisitions | | | | | | | |
| disposals | " | 151 | 175 | 351 | 371 | 502 | 546 |

For notes to this table - see page 13/6

TABLE 3 Analysis of larger firms by size of enterprise within the industry, 1963
(i) Output, employment, capital expenditure and stocks

| Firms employing 25 or more persons: United Kingdom | | | | | | | | |
|---|-------------|----------------|-----------------------------|--------------|------------|---------------------|-------------------------|---|
| Average number employed by the enterprise in the industry (a) | Enterprises | Establishments | Average number employed (a) | Gross output | Net output | Net output per head | Capital expenditure (b) | Total value of stocks and work in progress at end of year |
| | Number | Number | Number | £'000 | £'000 | £ | £'000 | £'000 |
| 25-49 | 45 | 46 | 1,667 | 4,289 | 1,445 | 867 | 60 | 443 |
| 50-99 | 34 | 37 | 2,248 | 5,616 | 2,266 | 1,008 | 96 | 619 |
| 100-199 | 20 | 26 | 3,076 | 10,314 | 3,273 | 1,064 | 263 | 1,479 |
| 200-299 | 9 | 10 | 2,297 | 10,237 | 4,459 | 1,941 | 229 | 1,328 |
| 300-399 | 6 | 7 | 1,972 | 6,686 | 2,096 | 1,063 | 153 | 1,170 |
| 400-499 | 6 | 9 | 2,635 | 5,742 | 2,490 | 945 | 170 | 860 |
| 500-749 | 3 | 5 | 1,713 | 5,951 | 1,468 | 857 | 210 | 1,299 |
| 750-999 | 5 | 9 | 4,219 | 8,676 | 3,911 | 927 | 267 | 1,291 |
| 1,000-1,499 | 3 | 8 | 4,086 | 8,900 | 3,803 | 931 | 347 | 1,340 |
| 1,500-1,999 | 3 | 17 | 5,501 | 12,348 | 5,378 | 978 | 115 | 1,507 |
| 2,000-2,999 | 3 | 13 | 7,567 | 19,582 | 8,475 | 1,120 | 1,130 | 4,392 |
| 3,000 and over | 5 | 24 | 50,024 | 153,184 | 71,369 | 1,427 | 7,551 | 37,418 |
| Total | 142 | 211 | 87,005 | 251,525 | 110,431 | 1,269 | 10,589 | 53,147 |

(ii) Employees, wages and salaries, and employers' contributions

Firms employing 25 or more persons: United Kingdom

| Average number employed by the enterprise in the industry (a) | Employees | | Wages and salaries | | Employers' contributions | | Wages and salaries per head | |
|---|------------|------------|--------------------|------------|--------------------------|-----------------------------------|-----------------------------|------------|
| | Operatives | Others (c) | Operatives | Others (c) | National Insurance (d) | Private pension schemes, etc. (e) | Operatives | Others (c) |
| | | | | | | | | |
| 25-49 | 1,386 | 247 | 559 | 185 | 39 | 9 | 403 | 748 |
| 50-99 | 1,753 | 476 | 683 | 420 | 49 | 29 | 390 | 883 |
| 100-199 | 2,396 | 660 | 1,038 | 547 | 74 | 29 | 433 | 829 |
| 200-299 | 1,850 | 443 | 933 | 428 | 57 | 44 | 504 | 965 |
| 300-399 | 1,582 | 388 | 667 | 428 | 43 | 51 | 421 | 1,103 |
| 400-499 | 2,081 | 550 | 920 | 444 | 69 | 29 | 442 | 808 |
| 500-749 | 1,228 | 485 | 524 | 458 | 45 | 46 | 427 | 945 |
| 750-999 | 3,560 | 659 | 1,498 | 586 | 97 | 49 | 421 | 890 |
| 1,000-1,499 | 3,262 | 824 | 1,443 | 840 | 98 | 82 | 442 | 1,020 |
| 1,500-1,999 | 4,426 | 1,075 | 1,857 | 872 | 131 | 90 | 420 | 811 |
| 2,000-2,999 | 6,374 | 1,193 | 2,801 | 983 | 173 | 155 | 439 | 824 |
| 3,000 and over | 40,755 | 9,269 | 22,776 | 8,200 | 1,304 | 1,512 | 559 | 885 |
| Total | 70,653 | 16,269 | 35,698 | 14,391 | 2,179 | 2,125 | 505 | 885 |

(a) Including working proprietors.

(b) Acquisitions less disposals.

(c) Administrative, technical and clerical employees.

(d) Including both flat rate and graduated contributions.

(e) Including pensions and gratuities paid other than from pension funds. These amounted in total to £259,000.

TABLE 4 Percentage analysis of employees, by age and sex, all firms, 1963: United Kingdom (a)

| Ages | Males | Females | All employees |
|-------------|-----------|-----------|---------------|
| | Per cent. | Per cent. | Per cent. |
| Under 18 | 2 | 6 | 8 |
| 18 and over | 40 | 52 | 92 |
| All ages | 42 | 58 | 100 |

Source: Ministry of Labour

(a) The percentages relate to the numbers employed (excluding working proprietors) at mid-June, 1963.

Footnotes to Table 2.

(a) The following information relates to small firms (employing fewer than 25 persons) in this industry. It includes an estimate for small firms not making satisfactory returns, which account for 5 per cent. of the employment shown for 1963 and 8 per cent. for 1958.

| | 1958 | 1963 |
|--------------------------|-------|-------|
| Number of firms | 445 | 312 |
| Average number employed: | | |
| Working proprietors | 4,170 | 485 |
| Other persons employed | | 2,544 |

- (b) The method of classifying returns to sub-divisions of the industry is explained in the notes; the characteristic products of each sub-division are identified in Table 5.
- (c) The sum of the figures for the sub-divisions exceeds the total for the industry to the extent that enterprises made returns for more than one sub-division.
- (d) Including services rendered to other organisations (amounts charged for hiring out plant, machinery and other goods, for providing transport, or for technical or other services rendered).
- (e) Characteristic products relate only to sub-divisions of the industry.
- (f) For sub-divisions of the industry, this is the ratio of sales of characteristic products to total sales of goods produced and work done. For the industry as a whole, this is the ratio of total sales of principal products by the industry to total sales of goods produced and work done.
- (g) Administrative, technical and clerical employees.
- (h) Including both flat rate and graduated contributions.
- (i) Including pensions and gratuities paid other than from pension funds.
- (j) Excluding expenditure for establishments not yet in production.

TABLE 5 Sales of principal products of the industry by larger firms, including sales by establishments classified to other industries, 1958 and 1963

Firms employing 25 or more persons: United Kingdom

| Industry sub-division (a) | 1958 | | 1963 | | | |
|--|-----------|-----------------|----------|---------|-------------|---------|
| | Quantity | Value | Quantity | Value | Enterprises | Entries |
| | Th.cwt. | £'000 | Th.cwt. | £'000 | Number | Number |
| Cocoa preparations | | | | | | |
| Cocoa powder | | | | | | |
| 10 Proprietary cocoa powder packed for retail sale | 143 | 2,521 | 102 | 1,983 | 7 | 9 |
| 10 Other cocoa powder sold in bulk | 106 | 964 | 117 | 1,184 | 9 | 12 |
| 10 Drinking chocolate (including chocolate in flake or other forms intended for drinking purposes) | 115 | 1,856 | 132 | 2,141 | 7 | 8 |
| 10 Chocolate intended for further manufacturing purposes (block, couverture, bakers' covering compounds, granulettes, etc.) | 918 | 13,052 | 966 | 9,792 | 29 | 36 |
| 10 Solid milk or blended chocolate bars or blocks, with or without fruit or nuts | 1,443 | 30,519 | 1,454 | 28,704 | 20 | 28 |
| 10 Solid plain chocolate bars or blocks with or without fruit or nuts | 94.4 | 1,934 | 171 | 3,559 | 16 | 23 |
| 10 Filled bars, blocks and other chocolate count lines (including enrobered lines) with hard, soft or cereal centres (excluding chocolate biscuits sold as 'biscuits') | 1,734 | 27,237 | 2,539 | 41,552 | 41 | 55 |
| 10 Chocolate novelties and composite packs | 245 | 6,388 | 278 | 6,635 | 30 | 39 |
| 10 Chocolate assortment and 'straight' lines whether prepacked or not | 2,328 | 50,081 | 1,995 | 45,835 | 54 | 66 |
| 10 Milk crumb | | | 584 | 3,999 | * | 6 |
| 10 Other and unclassified cocoa preparations and chocolate confectionery | { 73.1 .. | { 1,071 3,447 } | 58.5 | 845 | 6 | 6 |
| Total cocoa preparations | .. | 139,071 | .. | 146,229 | .. | .. |
| 10 Cocoa butter | 26.2 | 933 | } | 848 | 8 | 8 |
| 10 Cocoa cake (residue) | 41.9 | 115 | | | | |
| Total cocoa products | .. | 140,119 | .. | 147,077 | .. | .. |
| Sugar confectionery (except chocolate confectionery) | | | | | | |
| 21 Boiled sugars | 2,377 | 27,133 | 2,271 | 26,339 | 69 | 93 |
| 21 Toffee and caramels, not chocolate covered | 1,531 | 17,574 | 1,282 | 15,404 | 59 | 73 |
| 21 Licorice confectionery | 632 | 5,661 | 568 | 4,893 | 17 | 18 |
| 21 Soft goods (including almond paste, marzipan, fondant, cream paste and turkish delight) | 823 | 7,904 | 795 | 7,419 | 53 | 61 |

Continued on next page

TABLE 5 (continued)

| Industry sub-division (a) | 1958 | | 1963 | | | |
|--|----------|---------|----------|---------|--------------|---------|
| | Quantity | Value | Quantity | Value | Enter-prises | Entries |
| | Th.cwt. | £'000 | Th.cwt. | £'000 | Number | Number |
| Sugar confectionery (except chocolate confectionery) (continued) | | | | | | |
| 21 Pastilles, gums and jellies | 806 | 10,297 | 663 | 9,386 | 48 | 52 |
| 21 Confectioners' novelties and sundries (edible) including cake decorations | .. | 605 | .. | 361 | 15 | 15 |
| 21 Other non-medicated sugar confectionery including chewing gum and panned goods and lozenges | 1,129 | 15,764 | 1,154 | 18,911 | 60 | 65 |
| 21 Unclassified sugar confectionery (except chocolate confectionery) | 145 | 1,245 | 42.7 | 582 | 8 | 8 |
| | | | .. | 424 | | |
| Total sugar confectionery | .. | 86,183 | .. | 83,670 | .. | .. |
| Other products | .. | 994 | .. | 68 | 10 | 11 |
| Waste products | .. | 529 | .. | 802 | 43 | 53 |
| Work done on commission, sub-contract work, etc. | | 1,638 | | 1,348 | 10 | 10 |
| Total | | 229,463 | | 232,964 | .. | .. |
| Sales in other industries (see Table 6) | | 5,702 | | 5,968 | .. | .. |
| Principal products of this industry sold by establishments in the industry | | 228,760 | | 226,997 | 142 | 176(b) |

- (a) The number given is that of the sub-division of which the item is a characteristic product. The sales shown are total sales by larger firms, not merely sales by establishments classified to the sub-division.
- (b) This figure represents the total number of returns made by larger firms in this industry, which is less than the total number of establishments in Table 2 on account of combined returns covering more than one establishment.

TABLE 6 Sales of principal products of the industry by establishments classified to other industries, 1958 and 1963

Firms employing 25 or more persons: United Kingdom

| | 1958 | | 1963 | | | Principal industries in which produced (a) |
|--|----------|-------|----------|-------|---------|--|
| | Quantity | Value | Quantity | Value | Entries | |
| | Th.cwt. | £'000 | Th.cwt. | £'000 | Number | |
| Cocoa preparations | | | | | | |
| Chocolate intended for further manufacturing purposes (block, couverture, bakers' covering compounds, granulettes, etc.) | 93.8 | 1,391 | 143 | 1,271 | 7 | 9, 11, 14, 17 |
| Other and unclassified cocoa preparations and chocolate confectionery (including milk crumb, etc.) | 67.0 | 1,054 | 121 | 1,293 | * | 9, 11, 17 |
| | .. | 689 | | | | |
| Total cocoa preparations | .. | 3,133 | 264 | 2,564 | .. | |
| Sugar confectionery (except chocolate confectionery) | | | | | | |
| Boiled sugars | .. | 261 | 15.2 | 187 | * | 8, 17, 28 |
| Soft goods (including almond paste, marzipan fondant cream paste and turkish delight) | 79.5 | 448 | 231 | 1,534 | 16 | 11, 12, 16, 17 |
| Confectioners' novelties and sundries (edible) including cake decorations | .. | 168 | .. | 53 | * | 11, 12, 125 |
| Pastilles, gums and jellies | 40.0 | 394 | 70.6 | 624 | 10 | 9, 12, 14, 17 |
| Other non-medicated sugar confectionery including chewing gum and panned goods and lozenges | 54.5 | 328 | | | | |
| Unclassified sugar confectionery (except chocolate confectionery) | 102 | 971 | 42.7 | 582 | 8 | 17, 27, 28 |
| | | | .. | 424 | | |
| Total | | 5,702 | | 5,968 | .. | |

- (a) The references given are to the list of industries at the back of this report.

TABLE 7 Sales of other than principal products by larger firms in the industry, 1958 and 1963

Firms employing 25 or more persons: United Kingdom

| | 1958 | | 1963 | |
|---|----------|------------------|----------|---------------|
| | Quantity | Value | Quantity | Value |
| | Th.cwt. | £'000 | Th.cwt. | £'000 |
| Sugar, ground and otherwise prepared for icing, fondants, etc. | .. | 362 | 129 | 552 |
| Marmalade and jams (including jams in jelly form) | 21.1 | 128 | 21.8 | 135 |
| Other fruit and vegetable products | .. | 2,716 | .. | 2,631 |
| Nuts, shelled, ground or otherwise prepared, and coconut desiccated and flaked but not sugared | .. | 1,172(a) | 53.8 | 1,437 |
| Milk products | .. | 496 | .. | 122 |
| Pudding and cake mixtures, bun flours and similar products | .. | 277 | .. | 324 |
| Soft drinks concentrated in solid or powder form | .. | 195 | .. | 6,604 |
| Other food and drink products | .. | 7,928 | .. | .. |
| Medicated confectionery (including that containing therapeutic doses and the like but excluding any containing antibiotics) | .. | 1,160 | .. | 1,723 |
| Chemical manufactures and products | .. | 76 | .. | 86 |
| Manufactures of paper and cardboard | .. | 299 | .. | 188 |
| Other goods | .. | 109 | .. | 315 |
| Services rendered to other organisations (b) | .. | .. | .. | 373 |
| Total value of goods sold without having been subjected to any manufacturing process (merchanted or factored) | .. | 8,865 | .. | 10,344 |
| Canteen takings | .. | 442 | .. | 758 |
| Total | | 24,224(c) | | 25,592 |

(a) Excluding desiccated coconut for 1958.

(b) Amounts charged for hiring out plant, machinery or other goods, for providing transport, or for technical or other services rendered to other organisations.

(c) Excluding amounts charged for services rendered to other organisations.

TABLE 8 Production of certain principal products of the industry by larger firms, including production by establishments classified to other industries, 1958 and 1963

This table is not applicable to this industry.

TABLE 9 Purchases of selected principal products of the industry by larger firms, 1963

This table is not applicable to this industry.

TABLE 10 Purchases by larger firms in the industry, 1954 and 1963

Firms employing 25 or more persons: United Kingdom

| | 1954 | | 1963 | |
|--|----------|--------|----------|----------|
| | Quantity | Cost | Quantity | Cost |
| | | £'000 | | £'000 |
| Materials for processing | | | | |
| Cocoa beans | .. | 50,360 | .. | 20,003 |
| Chocolate milk crumb | .. | 8,418 | .. | 6,604 |
| Chocolate couverture, block chocolate, chocolate mass and chocolate base (a) | .. | 3,902 | .. | 2,458 |
| Liquid milk | .. | 5,495 | .. | 2,428(b) |
| Condensed milk | .. | 1,998 | .. | 1,418 |
| Milk powder | .. | 1,246 | .. | 2,832 |
| Eggs (liquid, dried and powdered and egg albumen) | .. | 239 | .. | 542 |
| Cocoa butter | .. | 12,046 | .. | 7,240 |
| Dairy butter and butter fat | .. | 1,179 | .. | 1,701 |
| Illipe butter | .. | (c) | .. | 710 |
| Margarine and compound fat (including shortening) | .. | 211 | .. | 1,028 |
| Refined vegetable and seed oils (d) | .. | 4,527 | .. | 3,045 |
| Sugar | .. | 22,195 | .. | 20,598 |
| Glucose | .. | 7,207 | .. | 5,675 |
| Syrup and treacle | .. | 455 | .. | 383 |
| Gelatine | .. | 1,169 | .. | 1,303 |
| Gum arabic | .. | 589 | .. | 471 |
| Fruit, peel, and ginger | | | | |
| Fresh | .. | (e) | .. | 375 |
| Dried (including candied or dried peel) | .. | 298 | .. | 384 |
| Other preserved fruit | .. | 398 | .. | 232 |
| Jam, fruit curd and fruit pulp | .. | 388 | .. | 327 |
| Nuts (including flaked and desiccated coconut) | .. | 8,776 | .. | 7,193 |
| Starch | .. | 239 | .. | 189 |
| Flour | .. | 606 | .. | 533 |
| Chewing gum base | .. | (e) | .. | 602 |
| Licorice | .. | 192 | .. | 124 |
| Flavouring essences and compounds, confectioners' colours and other dyes for foods, etc. | .. | (c) | .. | 1,577 |
| Essential oils | .. | 1,466 | .. | 1,019 |
| Tinplate, terneplate and blackplate | { | 2.9 | { | 5.3 |
| | .. | 31 | .. | 490 |
| Lubricating oils and greases | .. | (c) | { | 16 |
| | | | Th.gal. | 7 |
| | | | 48.6 | |
| Replacement parts for firms' own machinery, plant and vehicles, and accessories and consumable tools bought as replacement | .. | 3,005 | .. | 1,868 |
| All other materials for processing | .. | 8,559 | .. | 4,759 |

Continued on next page

TABLE 10 (continued)

| | 1954 | | 1963 | |
|---|----------|-------|-----------|-------|
| | Quantity | Cost | Quantity | Cost |
| | | £'000 | | £'000 |
| Packaging materials | | | | |
| Paper and board | | | | |
| Boxes, cartons, packing cases, and drums and canisters (with or without metal ends) of paper, cardboard and fibreboard | .. | 7,127 | .. | 8,003 |
| Wrapping paper (including paper coated with plastics and any laminates incorporating paper but not metal), moulded pulp units, labels and other packaging materials of paper, cardboard and fibreboard (except multiwall sacks) | .. | 6,706 | .. | 7,747 |
| Metal | | | | |
| Cans and boxes | .. | 2,263 | .. | 1,341 |
| Aluminium collapsible tubes, aluminium foil and any laminates incorporating aluminium foil and aluminium foil labels and closures | .. | (c) | .. | 2,840 |
| Timber | | | | |
| Containers wholly or mainly of wood, including plywood boxes and drums, baskets and wickerwork crates | .. | 249 | Th.cu.ft. | 109 |
| Timber (sawn or planed) for manufacture into packing cases, etc. | | | 123 | 79 |
| | | | Th.gross | |
| Glass containers | .. | 526 | 30.5 | 201 |
| Transparent cellulose film (including bags) | .. | 3,377 | .. | 2,801 |
| Plastics | | | | |
| Moulded and fabricated packs and containers (e.g. bottles and bottle caps), wholly or mainly of polyethylene | .. | (c) | .. | 193 |
| Sheet, film, foams, etc. wholly or mainly of polyethylene (including bags and lay flat tubing) | .. | (c) | .. | 479 |
| All other packaging materials | .. | 3,258 | .. | 1,558 |
| Fuel and electricity (f) | Th.tons | | Th.tons | |
| Coal | 295 | 1,066 | 150 | 779 |
| Coke (including screenings) and manufactured fuel | 17.3 | 92 | 103 | 536 |
| | Th.gal. | | Th.gal. | |
| Derv fuel and motor spirit for use in road vehicles | 2,087 | 421 | 2,205 | 443 |
| Other liquid fuels (including creosote/pitch mixtures, etc., and liquefied petroleum gases) | 3,353 | 140 | 8,766 | 354 |
| | .. | 44 | | |

TABLE 10 (continued)

| | 1954 | | 1963 | |
|--------------------------------------|-----------|---------|-----------|---------|
| | Quantity | Cost | Quantity | Cost |
| | Th.therms | £'000 | Th.therms | £'000 |
| Fuel and electricity (f) (continued) | | | | |
| Gas | 3,070 | 188 | 4,548 | 266 |
| | .. | 21 | | |
| Electricity | Th.kWh | | Th.kWh | |
| | 186,981 | 948 | 301,524 | 1,683 |
| Total cost of materials and fuel | | 171,874 | | 127,546 |
| Goods purchased for merchandising | | .. | | 8,931 |
| Canteen purchases | | .. | | 581 |
| Total cost of purchases | | .. | | 137,058 |

(a) Described in 1954 as 'Chocolate couverture and block chocolate' only.

(b) Net of milk subsidy received.

(c) Not recorded separately.

(d) Described in 1954 as 'Refined vegetable oils' only.

(e) Included in 'All other materials for processing'. Owing to the risk of disclosure of information relating to individual firms, separate particulars for 1954, cannot be given.

(f) Owing to the risk of disclosure of information relating to individual firms the quantity of electricity generated in 1954 and 1963 cannot be given.

TABLE 11 Transport costs and employment of larger firms, 1963

Firms employing 25 or more persons: United Kingdom

| | Unit | 1963 |
|---|-------|-------|
| Average number employed mainly on transport | No. | 1,914 |
| Transport costs | | |
| Wages and salaries | £'000 | 1,435 |
| Derv fuel and motor spirit | " | 443 |
| Payments to other organisations for transport | " | 5,340 |
| Costs of operating road goods vehicles | | |
| Insurance | " | 68 |
| Vehicle licences | " | 65 |
| Depreciation | " | 406 |
| Payments to other organisations for repairs and maintenance | " | 214 |
| Total | " | 7,972 |

TABLE 12 Payments for certain services, etc. by larger firms, 1963 (a)

| Firms employing 25 or more persons: United Kingdom | |
|--|-----------------|
| | Amounts payable |
| Repairs and maintenance to | £'000 |
| Buildings | 390 |
| Road goods vehicles | 214 |
| Plant, machinery, and other capital equipment | 909 |
| Insurance, licensing and depreciation of road goods vehicles (b) | 540 |
| Rates, excluding water rates | 1,268 |
| Hire of plant and machinery | 224 |
| Postage, telephone, telegrams and cables | 625 |
| Total | 4,170 |

(a) No deduction is made for these payments to arrive at the figures of net output given in this report.

(b) For details see Table 11.

TABLE 13 Percentage analysis of twelve-month periods covered by returns from larger firms, 1963

| Firms employing 25 or more persons: United Kingdom | | | |
|--|-------------------------------------|---------------|-------------------------------------|
| Year ended | Percentage of total number employed | Year ended | Percentage of total number employed |
| 1963 | Per cent. | 1963 (contd.) | Per cent. |
| April (a) | 5.6 | November | 0.4 |
| May | 0.6 | December | 74.0 |
| June | 0.9 | 1964 | |
| July | 0.2 | January | 6.7 |
| August | 0.3 | February | 3.1 |
| September | 0.6 | March | 7.1 |
| October | 0.5 | Total | 100 |

(a) Including returns made for twelve-month periods ended 1st to 5th April, 1964.

TABLE 14 Sales of all parts of machinery and plant by larger firms, including sales by establishments classified to other industries, 1958 and 1963

This table is not applicable to this industry.

Capital Expenditure (continued)

(ii) Land and existing buildings.

The items shown are the capital cost of freeholds purchased and the capital cost or premium payable for leaseholds acquired (excluding the value of any assets acquired in taking over an existing business), and the amounts receivable for any freeholds or leaseholds disposed of. The value is that charged to capital account during the year of return.

(iii) Plant, machinery and vehicles.

The items shown are the value of plant and machinery and of vehicles acquired, both new and second-hand, and the amount received for items disposed of during the year. The value of plant and machinery acquired includes plant, etc. which firms produced for their own use in connection with the business covered by the return. The value of plant, etc. acquired is the expenditure charged to capital account during the year of return less any discounts received, but including the cost of transport and installation. No deduction is made for depreciation, amortisation or obsolescence. The proceeds of items disposed of during the year exclude amounts written off for items scrapped.

Capital expenditure during the year in respect of manufacturing establishments where production had not started before the end of the year is excluded in this report for both 1958 and 1963.

Characteristic Products

The characteristic products of a sub-division are those in terms of which the sub-division is defined. They are products commonly associated in production and are usually similar in nature or manner of production. In most cases the characteristic products of each sub-division are indicated in Table 5 of the industry reports. For those industries for which an analysis by sub-divisions has been made, Table 2 shows the total sales of such characteristic products for each sub-division. The totals include, besides the products which define the sub-division, other items of output assumed to be closely related to them, e.g. waste products and work done.

Enterprise

The term enterprise is used in this report to mean one or more firms under common ownership or control. An enterprise normally consists either of a single firm, or of a parent company together with its subsidiary companies.

Entries

The number of entries shown in Tables 5, 6 and 8 against a particular output or production heading is the number of returns on which figures were recorded for that item.

Establishment

The census was based on the establishment, comprising in most cases the whole of the premises under the same ownership or management at a particular address (e.g. a factory or mine); but firms were asked to exclude from all sections of their returns particulars relating to any department not engaged in production for which they kept a separate set of accounts. Where separate accounts were not kept, they were asked to include merchanting or factoring, canteens operated by them and other

ancillary activities such as bottling, packing and the manufacture of containers for packing their own products, whether or not these activities are carried on at the same address as the works. Building and engineering maintenance departments and selling and transport departments were treated similarly.

Gross Output

The gross output of an industry is the aggregate value of goods made and other work done during the year by the establishments classified to the industry. It is derived by subtracting from the value of sales and work done, the value of stocks of goods on hand for sale and work in progress at the beginning of the year and adding the value at the end of the year.

Larger Firms

These are firms in which twenty-five or more persons were employed on the average during the year.

Net Output

The net output of an industry represents the value added to materials by the process of production. It includes the gross margin on any merchanted or factored goods sold; it constitutes the fund from which wages, salaries, insurance, pensions, hire of plant and machinery, payments for repairs and maintenance, costs of operating road vehicles, rents, rates and taxes, advertising and other selling expenses and all other similar charges have to be met, as well as depreciation and profits. There is no appreciable duplication in net output. Net output has been obtained by deducting from the gross output the cost of purchases adjusted for stock changes, payments for work given out to other firms, and payments for transport.

Normally any customs or excise duty on materials purchased is included in the cost of materials. Similarly, finished goods sold have been valued as they were sold, duty paid or duty free. The amounts of duty, subsidies, allowances and levies receivable or payable, where of substantial importance in the industry, were required to be stated separately, and these items were taken into account when calculating net output.

Net output per person employed

The figures for net output per person employed are derived by dividing the net output by the average number of persons employed (full-time and part-time) on all activities covered by the returns, including operatives, administrative, technical and clerical employees and working proprietors, but excluding outworkers.

Principal Products

The principal products of an industry are those in terms of which the industry is defined. They are products commonly associated in production, and are usually similar in nature or manner of production.

Production

This means the total quantity of a product made during the year, whether sold in the year, added to stock, transferred to another department of the same firm, or used in the manufacture of other products within the business covered by the return. It includes goods produced from materials supplied by other firms.

Purchases

Purchases include the cost of materials and components bought for use in production; of fuel and electricity for all purposes; of packing materials, including the full cost of returnable cases and containers when first purchased; of workshop materials, office materials and materials for repairs to firms' own buildings, plant and vehicles when carried out by their own workpeople included in the return; of consumable tools; and of parts for machinery purchased during the year as replacements. Water charges are also included. In general purchases of goods for merchandising or factoring and canteen supplies are included. Materials supplied by customers for processing are excluded.

The values shown include any duty paid (less rebate, etc.) but exclude trade discounts allowed. The cost of transport is included only if included in the cost of materials as invoiced; amounts paid to transport organisations, including firms' own separate transport organisations, for delivery of materials and fuel are, therefore, excluded. Materials purchased overseas are included at their c.i.f. cost plus any duty payable if the cost of transport from the docks was not included in the invoiced price, but at their full delivered cost if invoiced 'carriage paid home'. Materials and fuel transferred from another department of the firm not covered by the same return are included at the estimated selling value recorded by the other department.

Sales

Sales are in respect of goods made by the business covered by the return, goods made for it by outworkers or by other firms from materials given out to them (sometimes described as goods made on commission) and waste products. Any machinery or other capital items produced for use in the business covered by the return are included, the value being that adopted in the firm's capital asset account. Goods sold without being subjected to any manufacturing process (merchanted or factored) and canteen takings are included as in 1958.

The value shown for sales is the net selling value, defined as the amount charged to customers whether on an ex-works or delivered basis, net of any trade discounts, agents' commissions, allowances for returnable cases, purchase tax, etc.; the net amount charged for packing materials is included. Goods charged on a delivered basis to customers overseas are included at the f.o.b. value. For work done on commission or for the trade the value shown is the net amount charged.

Where goods produced in one department were transferred to another department of the same firm not covered by the return, these transfers were treated as sales by the producing department and valued as far as possible as if they had been sold to an independent purchaser. Goods transferred to wholesale or retail selling organisations for which separate accounts were kept were valued on the same basis. Estimations of a similar kind were also sometimes necessary in valuing transfers between different firms belonging to the same enterprise. To the extent that the sales of finished products of one establishment may constitute the materials purchased by another, total figures of the value of sales (and of materials and fuel purchased) include an element of duplication.

Services rendered

This represents the amounts charged for hiring out plant, machinery and other goods, providing transport, or for any technical or other

services rendered to other organisations. It includes amounts credited for similar services rendered to other departments of the same firm not covered by the return.

Small Firms

These are firms in which fewer than twenty-five persons were employed on the average during the year.

Stocks and Work in Progress

Values are given of stocks of goods on hand for sale, and of materials and fuel, at the beginning and end of the year of return, including any stocks of goods held for merchandising or factoring. The values include duty in the case of dutiable goods held out of bond. The value of work in progress at the two dates is also usually shown. This excludes any progress payments made to sub-contractors, and no deduction is made on account of progress payments received.

Transport Payments

These represent the total amount paid or credited during the year for both outwards transport of finished goods sold and inwards transport of materials and fuel purchased. They include payments to other firms, and to any separate transport organisation of the same firm, not covered by the return, but exclude the value of transport services provided by the business covered by the return. The items included are payments for hired cartage and for inwards and outwards carriage by all forms of inland transport, i.e. railways, road haulage, canals, coast-wise shipping, air, etc. Payments made for sea freight on goods sold to customers overseas and on materials and fuel purchased from overseas suppliers are excluded.

Wages and Salaries

These are the amounts paid during the year to operatives and to administrative, technical and clerical employees. Payments to working proprietors, whether called salaries or not, are excluded; in Northern Ireland this exclusion extends also to payments to directors of limited companies. The values shown include all overtime payments, bonuses and commissions, whether paid regularly or not, and no deduction is made for income tax, insurances, contributory pensions, etc. The value of any payments in kind, travelling expenses, lodging allowances, etc. and employers' contributions to National Insurance and pension schemes is excluded.

Work given out

The figures shown represent the total amount paid for work done by other firms on materials supplied to them, and also by firms' own establishments for which separate returns were made. They do not include payments to individual outworkers or payments for business and other services.

Symbols used

The following symbols are used throughout the report:

- .. Not available
- Nil or negligible (less than half the final digit shown)
- * Figures cannot be shown owing to the risk of disclosing information about individual enterprises.

Rounding of Figures

The figures in the tables have, where necessary, been rounded to the nearest final digit. There may, therefore, be apparent slight discrepancies between the sums of the constituent items and the totals shown.

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