## PA339.3

## Business Statistics Office

## Business Monitor

Report on the<br>Censuses of Production

Refrigerating machinery, space-heating, ventilating and air-conditioning equipment
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## PA339.3 Business Monitor <br> A publication of the Government Statistical Service

Report on the Censuses of Production 1974 \& 75

Refrigerating machinery, space-heating, ventilating and air-conditioning equipment

Presented by the Secretary of State for Industry to Parliament in pursuance of the Statistics of Trade Act 1947 to Parliament in pursuance of
( 10 \& it Geo. 6 Cha. 39 sec 7 )

The information in this report relates to establishments classified to the Refrigerating machinery, space-heating, ventilating and air-conditioning equipment indu

Manufacturing refrigerating machinery, commercial refrigerators and commercial refrigerating equipment, including deep freeze and
quick freeze machinery. The manufacture of domestic type refrigerators and deep freeze units including non-electrical refrigerators quick freeze machinerr. The manuffacture of domostic type refrigeratorrs and dep freze units including non-telectricas refrigerator is excluded. Manufacturing space-heating, ventilating and air-conditioning equipment, other than at foundries and dust extraction
systems, including heater botteries, unit heaters, ventilators, hoods, cowls, ducting, etc., and self-contained air-conditioning machines Establishments specialisisg in the instalataion of such equipment are excluded. Thermostats and simiar measuring and controlling
apparatus, domestic type electric heaters, fans, etc., self contained oil burners and gas heaters are also excluded.
bear in mind therreting the data and in the tablines, it is ossentians to which commence on page (iii),

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table 1
Output and costs, 1971-1975
All United Kingdom establish

|  | Unit | 1971 | 1972 | 1973 | 1974 | 1975 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Enterprises | Number | 766 | 794 | 806 | 876 | 915 |
| Establishments |  | 832 | 858 | 869 | 944 | 994 |
| Sales of goods produced, work done and industrial services rendered (b) | $£$ thousand | 237,453 | 253.656 | 277,152 | 350,734 | 410,355 |
| Capital goods produced for establishments' own use (c) |  |  |  | 570 | 384 | 411 |
| Non-industrial services rendered (d) | " |  |  | 672 | 519 | 683 |
| Goods merchanted or factored | " | 12,550 | 14,193 | 16,113 | 18,969 | 17,905 |
| Total sales and work done (b) (d) | " | 250,002 | 267,850 | 294,506 | 370,606 | 429,355 |
| Increase during the year, work in progress and goods on hand for sale | " | 2,936 | 871 | 7,070 | 12,174 | 2,790 |
| Gross output (b)/d) | " | 252,937 | 268,721 | 301,576 | 382,779 | 432,144 |
| Purchases of materials for use in production, and packaging and fuel (c) | " | 129,743 | 131,163 | 140,099 | 179,050 | 189,239 |
| Purchases of goods for merchanting or factoring (c) |  |  |  | 13,402 | 15,385 | 13,373 |
| Increase during the year, stocks of materials, stores and fue |  | 108 | 451 | 9,900 | 11,528 | -2,508 |
| Cost of industrial services received (e) |  | 5,155 | 4,587 | 6.718 | 9,554 | 14,976 |
| Net output |  | 118,149 | 133,421 | 151,257 | 190,318 | 212,048 |
| Total employment (f) | Thousands | 45.8 | 45.2 | 45.8 | 47.3 | 46.5 |
| Net output per head | £ | 2,580 | 2,952 | 3,301 | 4,023 | 4,563 |
| Payments for non-industrial services (g) |  |  |  |  |  |  |
| Rents, hire of plant and machinery (h) | £ thousand |  |  |  | 2,552 | 2,998 |
| Commercial insurance premiums | " |  |  | 1,582 | 1.851 | 2,544 |
| Bank charges | " |  |  | 161 | 250 | 298 |
| Other non-industrial services | " |  |  | 11,391 | 13,293 | 19,238 |
| Licensing of motor venicles (i) | " |  |  | 177 | 193 | 288 |
| Rates, excluding water rates (j) | " |  |  | 2,146 | 3,110 | 3,993 |
| Gross value added at factor cost |  |  |  | 133,426 | 169,068 | 182,689 |
| Gross value added at factor cost per head | £ |  |  | 2,912 | 3,574 | 3,931 |

(a) For 1975, estimates for establishments emploving less than 20 persons accounted for 11 per cent of the total employment of the
industry. Estimates for unsatisfactory returns and non-response accounted for 28 per cent. For 1974 , the comparable figures were 10 per cent and 22 per cent respectively.

The tigures for 1971-1972 do not include receipts for repairs and maintenance,
(c) Not recorded separately for 1971-1972.
(d) The figures for 1971-1972 do not include revenue from rents for industrial build ings.
e) The figures for 1971-1972 exclude the amounts payable for repairs and maintenance.
(4) Average number employed (full and part-time; see table 7 ) during the year ( (including work ing proprietors) by the establ ishment
(9) Not collected for 1971-1972 except for amounts payable to other organisations for transport of goods within the United Kingdom. For 1973 , the figures include hire of vehicles. Not collected for 1971-1972.

Capital expenditure, 1971-1975
Capita lexpenditure, $1971-1975$
All United Kingdom establ ishments classified to the industry (a) (b)

| £ thousand |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1971 | 1972 | 1973 | 1974 | 1975 |
| Land and buildings |  |  |  |  |  |
| New building work | 1,905 | 2,103 | 3.842 | 2.853 | 962 |
| Land and existing buildi ings |  |  |  |  |  |
| Acquisitions | 1,686 | 1,745 | 333 | 867 | 309 |
| Disposals | 164 | 676 | 1,374 | 414 | 301 |
| venicles |  |  |  |  |  |
| Acauisitions |  |  |  |  |  |
| Motor cars (c) |  |  | 1.716 | 1.722 |  |
| Other venicles (c) | 1,941 | 2,265 | 529 | 477 | 2.62 |
| Disposals |  |  |  |  |  |
| Motor cars (c) |  |  | 716 | 730 |  |
| Other venicles (c) |  | 953 | 110 | 104 |  |
| Plant and machinery |  |  |  |  |  |
| Acquisitions | 5,008 | 5,402 | 7.950 | 7.483 | 7,483 |
| Disposals | 209 | 220 | 217 | 245 | 326 |
| Total net capital expenditure (d) | 9,418 | 9,665 | 11,954 | 11,909 | 10,012 |
| a) Including estimates for establishments not making satisfactory returns, non-response, and establishments exempted by virtue of size. |  |  |  |  |  |
| b) Capital expenditure in respect of manufacturing establishments where production had not commenced before the end of the year, is included. |  |  |  |  |  |
| c) Not recorded separately for 1971, 1972 and 1975. |  |  |  |  |  |
| (d) New building work plus acquisitions less disposals of land and existing buildings, venicles and plant and machinery. |  |  |  |  |  |

table 3
Stocks and work in progress. 1971-1975
All United Kingodom establishments classified to the industry (a)

|  |  |  |  |  |  | f thousand |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 1971 | 1972 | 1973 | 1974 | 1975 |  |
|  |  | Increase |  |  |  | Value at end of year |
| Materials, stores and fuel | 108 | 451 | 9,900 | 11,528 | -2,508 | 41,736 |
| Work in progress | 1,059 | 1,610 | 5,019 | 7,944 | 1,788 | 37,399 |
| Goods on hand tor sale. | 1,877 | -739 | 2,051 | 4,230 | 1,002 | 16,639 |
| Total | 3.044 | 1,322 | 16,969 | 23,702 | 282 | 95,774 |

Analvsis of establishments by size. 1975
Analysis of establishments by size. 1975
All United Kingdom establ ishments classified to the industry (a)

| $\begin{gathered} \text { size } \\ \text { group } \\ \text { (b) } \end{gathered}$ | $\begin{aligned} & \text { Estab- } \\ & \text { Lshab } \\ & \text { ments } \end{aligned}$ | $\begin{aligned} & \text { Enter- } \\ & \text { prises } \\ & \text { (c) } \end{aligned}$ | Employment |  |  | Wages and salaries (e) |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | $\begin{aligned} & \text { Total } \\ & \text { (b) } \end{aligned}$ | Opera- | $\begin{aligned} & \text { Others } \\ & \text { (d) } \end{aligned}$ | Operatives |  | Others (d) |  |
|  |  |  |  |  |  | Total | $\begin{aligned} & \text { per } \\ & \text { nead } \end{aligned}$ | Total | per head |
|  | Number | Number | Number | Number | Number | £ thousand | £ | £ thousand | £ |
| 1-10 | 445 | 430 | 2,211 |  |  |  |  |  |  |
| 11-19 | 196 | 194 | 2,820 | 10,528 | 4,399 | 25,917 | 2,462 | 12,545 | 2,852 |
| 20-49 | 166 | 162 | 5,003 |  |  |  |  |  |  |
| 50.99 | 81 | 80 | 5,580 |  |  |  |  |  |  |
| 100-199 | 62 | 56 | 8,709 | 5,951 | 2,749 | 15,056 | 2,530 | 8.030 | 2,921 |
| 200-299 | 14 | 14 | 3,332 | 2,287 | 1,045 | 5,826 | 2,547 | 3,027 | 2,896 |
| 300-399 | 7 | 6 | 2,292 | 1,478 | 814 | 3,990 | 2,699 | 2,263 | 2,780 |
| 400-499 | 6 | 6 | 2,615 | 1.710 | 905 | 4,680 | 2,737 | 2,407 | 2,659 |
| 500-749 | 11 | 9 | 7.039 | 4,547 | 2,485 | 11,504 | 2,530 | 6.838 | 2,752 |
| 750 and over | 6 | 6 | 6.871 | 4,099 | 2,772 | 11,091 | 2,706 | 7,939 | 2,864 |


| Total | 994 | 915 | 46,472 | 30,600 | 15,169 | $78,063(\mathrm{j})$ | 2,551 | $43,048(\mathrm{j})$ | 2,838 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

[^0]20 persons.
(b) Average number employed (full and part-time; see table 7 ) during the vear (lincluding working proprietors) by the establishment

Some enterprises control
the total for
Administrative, technical and clerical employees.
(e) Another important component of labour costs, employers' national insurance contributions, graduated pensions, contributions to other pensions and welfare schemes and the running costs of canteens, is estimated for the industry at $£ 12,950$ thousand. For 1974 ,

| $\begin{aligned} & \text { Total sales } \\ & \text { and work } \\ & \text { done (f) } \end{aligned}$ | Gross output | Net output |  | Gross valueadded at factor cos |  | Net capital <br> $(\mathrm{g})$ $\qquad$ | $\begin{aligned} & \text { Total stocks } \\ & \text { and work in } \\ & \text { penates. } \\ & \text { end of year } \end{aligned}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  | Total | ${ }_{\substack{\text { per } \\ \text { head }}}$ | Total | ${ }_{\text {per }}^{\substack{\text { per } \\ \text { head }}}$ |  |  |
| $£$ thousand | £ thousand | £ thousand | £ | £ thousand | £ | f thousand | £ thousand |
| 130,867 | 129,803 | 63,123 | 4.043 | (h) | (h) | 2,833 | 22,867 |
| 79,744 | 78,883 | 38,649 | 4,438 | 86,290(h) | 3,548(h) | 1,392 | 16,322 |
| 29,577 | 28,834 | 13,263 | 3,980 | 11,193 | 3,359 | 481 | 6,008 |
| 18,647 | 18,632 | 9,903 | 4,321 | 8,332 | 3,635 | 68 | 5.863 |
| 28,313 | 28,310 | 10,935 | 4,182 | 9,304 | 3,558 | 530 | 6.122 |
| 75,088 | 78,138 | 40,634 | 5,773 | 36,646 | 5,206 | 2.734 | 21,465 |
| 67,119 | 69,545 | 35,541 | 5,173 | 30,925 | 4,501 | 1,975 | 17,125 |


| 429,355 | 432,144 | 212,048 | 4,563 | 182,689 | 3,931 | 10,012 | 95,774 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  |  |  |  |  |

(f) Comprises sales of goods produced linclud ing capital ooods manufactured, buildings constr
(a) New building work plus acquisistions less disposals of land and existing buildings, vehicles and plant and machinery.
(h) Gross value added data relates to establishments employing 1-199 persons.
(j) The estimates of total wages and salaries for the industry in 1974 were:the comparable figure was $£ 9,962$ thousand.

$$
\begin{array}{ll} 
& £^{\prime 0000} \\
\text { Operatives } & 61,551
\end{array}
$$ -

Regional distribution of employment, net capital expenditure
All United Kingoom establ ishments classified to the industry

| Area | Employment (a) | Net capital expenditure (b) (c) |  | Net output and employment in the region of establishments with more than 80 percent of their employment in the region (d) cent of their employment in the region (d) |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  |  | Estimated net output | Average number employed as a percentage of total in the industry in the regio |
|  | Thousands | £ thousand | $\overline{\substack{\text { per cent of } \\ \text { Unititod } \\ \text { Kingdom }}}$ | £ thousand |  |


| Standard regions of England |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| North | 2.9 | 6.3 | 1,207 | 12.1 | 9,935 | 76.5 |
| Yorkshire and Humberside | 3.7 | 8.0 | 589 | 5.9 | 14,111 | 81.6 |
| East Midlands | 2.2 | 4.8 | 523 | 5.2 | 9.079 | 69.4 |
| East Anglia | 0.9 | 2.0 | 165 | 1.6 | 3.111 | 70.5 |
| South East | 18.2 | 39.1 | 4,234 | 42.3 | 48,390 | 55.1 |
| South West | 1.8 | 3.9 | 274 | 2.7 | 2,425 | 29.3 |
| West Midilands | 4.6 | 10.0 | 1,125 | 11.2 | 9,792 | 43.6 |
| North West | 5.5 | 11.8 | 805 | 8.0 | 16,007 | 54.8 |
| England | 39.9 | 85.9 | 8,921 | 89.1 | 112,850 | 57.8 |
| Wales | 1.7 | 3.6 | 287 | 2.9 | 3,190 | 46.9 |
| Scotland | 4.7 | 10.0 | 780 | 7.8 | 5,542 | 34.9 |
| Great Britain | 46.2 | 99.5 | 9,987 | 99.8 | 121,582 | 55.1 |
| Northern Ireland | 0.2 | 0.5 | 25 | 0.3 | 525 | 71.2 |
| United Kingdom | 46.5 | 100.0 | 10,012 | 100.0 | 212,048 (e) |  |

(a) Average number employed (full and part-time; see table 7 ) during the year (including working proprietors).
(b) Including estimates for establishments not mak ing satisfactory returns, non-response, and establishments employ ing less than
(c) New building work plus acquisitions less disposals of land and existing buildings, vehicles and plant and machinery
(d) Where a census return covered addresses in two or more regions an estimate was made of the net output attributabe to the region
 that net output at each add ress covered by a retur
net output was included in unallocated net output.
(e) Includes $f 89,941$ thousand of unallocated net output ot establishments covering addresses in two or more regions, plus estimates
tABLE 6
Percentage analy
persons, 1975

| Accounting year ended |  | $\frac{\text { Percentrage of total returns received }}{\text { per cent }}$ | Percentage of total number employed <br> per cent |
| :---: | :---: | :---: | :---: |
|  |  |  |  |
| 1975 | April (a) | 0.5 | 0.1 |
|  | May | 1.0 | 0.3 |
|  | June | 3.0 | 1.1 |
|  | Julv | 1.0 | 0.2 |
|  | August | 3.5 | 1.2 |
|  | September | 8.5 | 13.1 |
|  | October | 6.5 | 6.4 |
|  | November | 4.0 | 1.5 |
|  | December | 44.5 | 43.7 |
| 1976 | January | 3.0 | 2.2 |
|  | February | 1.5 | 0.5 |
|  | March (b) | 23.0 | 29.7 |
|  |  | 100.0 | 100.0 |

(a) From 6th April.
(b) Including returns made for twelve-month period ended 1st to 5th April 1976.
table 7
Percentage analysis of employees, by full and part-time employment and sex, 1975 (a)
Office machinery and other machinery, minimum list headings 338 and 339

| Sex | Full-time | Part-time | All employees |
| :---: | :---: | :---: | :---: |
|  | per cent | per cent | per cent |
| Male | 81 | 1 | 82 |
| Female | 14 | 4 | 18 |
|  | 95 | 5 | 100 |

Source: Department of Employment
(a) The percentages relate to the numbers semployed (excluding working proprietors) in the United Kingdom in minimum list headings





With 25 or more employees provide
Information about establishments with less than 20 employees in most industries is less securely based, but increasing use in most industries is less securely based, but increasing use
has been madt of data on these small establishments supplied
by the Department of Employment. by the Department of Employment. One benefit of using this
information is an improvement in the estimates of the number information is an improvement in the estimates of the number
of smaller establishents and enterpises, but there is little
effect on other aggereagtes (e.g. employment, output, net effect on other agg,
capital expenditure).

Coverage
A return was required in the 1974 and 1975 Censuses from
each establishment with 20 or each establishment with 20 or more employeeses. Fach
establishment is classified to an industry, as defined in the sIC, whose princiapilified products and form the majry, as defined in thart of the
establishment's sales.

Regions
The region
The regions defined in Table 5 take account of the boundary
changes arising out of the Local Government Act 1972 and the Local Government Act (Scotland) 1973. These changes
came into effect in Arril 1974 in England and Wales and came into effect in Ad
May 1975 in Scotland.
terms used in the census report Average number emploved
Establishments were reauir stial the payroll on average during the the number of persons
 (a) administrative, technical and clerical employees
(b) all other employees (operatives) (b) all other employeses (operatives)
Averges could de calculated rom the figures relating to the
last week of each calendar month. Establishments were also fequired to state the number of working proprietors where approprate ate these ate included in total employment
figures. Outworkers (i.e. persons employed by estabishments who worked in their own homes etc. on materials supplied
by the establishment) are excluded. The figures include persons engaged on merchanting or factoring and canteen workers where particulars in respect of these activities could
not be excluded from the return.

Working proprietors
These include all persons regarded as "self-emploved" for
national insurance purposes and members of their families national insurance purposes and members of their families
who worked in the busines without receiving a wage or
salary; but such persons who worked less than half the salary; but such persons who worked less than half the
normal number of working hours are excluded. Directors working in the business but not in receipt of a definite wage,
salary or commission are included under this heading: directors paid by fee only are not included.

Employees
Administrative, technical and clerical employees include
directors in receipt of a definite wage, salary or commission, directors in receipt of a defnite wage, salary orem, research,
managers, superitendents and works forement
design employees (other than operatives); draughtsmen, design employees (other than operatives); draughtsmen,
editorial staff, advertising staff, travellers and all office employees.
Operatives include all other classes of employees, that is, broadly speaking, all manual wage earners. They include
operatives employed in power stations, transport (including operatives employed in power stations, rransport (incluaing
oundsmen), warehouses, stores, shops and canteens,
inspectors, maintenance workers and lleaners. inspectors, maintenance workers and cleaners. Operatives
engegerd in outside work of erecting, fitting etc. are also
included, but outworkers are exceluded.

Capital expenditure
Capita expenditure
Capital expenditure during the year in respect of manufacturing
units where production had not started before the end of the year is included ind ithe thighar not for started beforere the end of the 1975 Establishent
were asked not to deduct from the value of capita amounts received or expected to be received in grants or
allowances from the Government or any statuon allowances from the Government or any statutory body or
local authority. From 1973, estatisishments with 100 or more
隹 employees were asked to include a total net capital expend-
iture figure for each calendar year.

This represents the co
building and other constructional wark the the year of new tion with the business coveren by the return. The value is that
charged to capital account during the year of veturn charged to capital account during the year of return; io
includes expenditure on new buildings and on the extension or reconstruction of on new buildings, the value of extrension of
capital nature carried capital nature carried out by the establishment's own staff and
the cost of any newly constructed buiding purchased.
tiew the cost of any newly constructed buildings purchased.
Figures shown includ any legal charges, stamp duties,
agents commissions. etc. (b)
(b) Land and existing buildings The citems shown are the capital cost of freeholds purchased
 taking over an existing business), and the amounts receivable
for any freeholds or easeholdd disposed of. The value is that
charged to capital account durg the year of return. charged to capital account during
The items shown are the valuee of plant and machinery and of
vehicles acquired, both new and second-hand and then vemicles accuired, both new and second-hand, and the
amount received for items disposed of during the eear. The
value of plant and machines value of plant and machinery acquired includes plant, etc.
which firms produced for their own use in connection with the business sovered by the return. The value of olant, etc
accuuired is the expenditure e harged to capital account acquired is the expenditure charged to capital account during
the year of return less any discounts reecived, but including the corst of transport and instalataino. Dediuvtible evalue added
tax is excluded but non-deductible value added tax on tax is excluded but non-deductible value added tax on
motor cars scapuired is included. No deduction is made for
denreciation Motor carts acquiret is included. No deduction is made
depreciation amortitation or obsolescence. The proceds of
items disposed of during the year exclude amounts written-oft
tor items scrapped items disposed of d
for items scrapped.
Cost of industrial services
Includes amounts payable to other firms for work done on
materials supplied by the establishment, payments for repairs
 buildings) and amounts paid to other firms for contracts
which have been sublet. Payments to outworkers are excluded

Cost of non-industrial services
Includes rent of
Includes rent of industrial buildings and capital equipment,
comercial insurance premiums, gank charges and amounts
paid for professional services paid for professional services, postal etc. services, transport,
adveritisn etct. Amounts payable on royalties for the right to
as use patents, trademarks, copyrights etc., manufacturing and
quarrying rights and technical "know-how" are also included.

Gross output
In the calculation of gross output the value of total sales and In the calculation of gross output the value of total sales an
work done is increased by the rise (or reduced by the fall)
during the year in the value of work in progress and goods on hand for sale.
Net outpout
Net output,
Net output, a customary census measure, is calculated by
deducting from gross output the cost of purchases (reduced by the risio, or increased by the fall during the year of stocks
of matrials etc.) and the cost of industrial services received. of materials etc.). and the cost
and where applicable, duties etc.
Net output per hear
The figures of net output per head are derived by dividing the
net output by the average number of persons employed (full
 including operatives, administrative, technical and clerical
employees and working proprietors, but excluding outworkers.

Gross value added at factor cost
Gross value added at factor cost
Gross value added at factor cost is calculated by deducting
from net output the cost of nont ind of buildings and capital equioment. commercial ins. ren premiums, bank charges end ament, commmercial insurance paid for professional
services, post office services rates (excluding water rates) and the cost of advertising), rates (excluuing water rates) and the cost of licensing moto
velicles. This estimate of gross value added approaches more
closely than census net output to the tefition closelv than census net output ot the defeen anition of net outpu
or ralue added in national accounts statisticics.

Gross value added at factor cost per head
Gross vilue added atractor cost per head
The figures of gross valu added at factor cost per head are
derived by dividing the gross value added by the average number of persons employed (full 1 and part-time) on all
nuther and activities covered by the returns, including operatives,
administrative, technical and clerical employees and working
proprietors, but excoluding outworkers. Purchases
Purchases
Purchases include the cost of raw materials, components,
semi-manufactured goods and workshop materials; of semi-manufactured goods and workshop materials; of
replacement parts and consumable tools not harged to replacemenc parts and consumabe troils of all types; of
capital account of packang mateiris of and
stationery and printed matter: of fuel electricity and water; of stationery and printed matter; of fuel, electricity and water; of
materials to be used by the estabbishment or given out to other establishments for the production of machinery or other
capital items for the estalisishment's own use ; of materials capital items for the establishment's own use; of materials
for use by the establishment when working on goods supplied for use by the estabishment when working on goos supplied
by customers and of food ett. for any anten covered by
the establishment's return. Transfers of oooods to the establishthe establishment's return. Transfers of goods to the establish-
ment from another department of the same firm not covered by ment from another department of the same firm not covered by
the establishment's return are included at a cost corresponding
to the estimated sell ing value recordded by the other department. to the estimated selling value recorded by the other department
Amounts payable to transport firms or credited to the firm' Amounts payabe to transport firms or credited to the firms
own transport departent for delivery of materials are
deduded as are all purchases of machinery and plant tharged excluded, as are all purchases of machinery and platt charged
to copital account. $\mathbf{y}$ urchases of goods for mernanting or
factoring have been collected separately since 1973 . The factoring have been collected separately since 1973. The
values shown exclude VAT. They include, in addition to the values shown exclude VAT. They include, in addition to the
actual purchase price the value of packagin material
charged to the establishment. The value of returned goods or charged to the establishment. The value of returned goods on
packaging material returned to suppliers and any trade
tiscounts are excluded. Materials purchased duty-paid are packaging material returned to suppliers and any urade
discounts are excoludd... Materials purhased duty-paid are
included at their duty-paid value, less any drawback rebate, included at their duty- paid value, less any drawback, rebate,
ett. The cost of transport is included only it it is included with the purchase price in the e firm's accounts. Imported goods are
included at their full delivered cost. If in the firm's accounts the included at their full delivererd costs. If it the firms s. scounts the
transport from docks or airport is not included in the cost of goods purchased, the cost is entered at ci.i.f. plus duty (if
applicable). Leasing, renting and hire purchase charges are applicable). Leasing, renting and hire purchase charges are
excludede.
The information shown in Table 9 was obtained in an inquiry The information shown in Table 9 was obtained in an inguiry
carrid out as a supplement tot the Census of Production fo
corid 1974, in which the larger firms in each industry were asked
provide a breakdown of the figure of total purchases (othe than purchases of goods for merchanting or factoring) that
they contributed to the Census. No establishment with fewer they contributed to the Census. No estabishment with tewe
than 25 employees was asked to contribute to the inquiry
. and this exemption limit was raised to exclude establishments
with fewer than 50 or 100 employees, in those industries in which exempted establishments were estimated to account
for less than 15 per cent of the industry's total purchases. A for less than 15 per cent of the industry's total purchases. A
breakdown of purchases similar to that sought in the 1974 inquirry was previously obtained as part of the Censusess of
Production for 1963 and 1968 and results were published in Production for 1963 and 1968 , and results were $p$.
Table 10 of the Industry Reports of those Censuses.
Sales of goods produced, work done and industrial services
rendered rendered
Sales for the purposes of the annual censuses means deliveries
on sale of goods made by establisments in on sale of gooss made by establishments in the United
Kingdom covered by the inquiry Sales of goods made for
these establishments by outworkers or by other establishents these establishments by outworkers or by othere establishments
from materials given out to them are included; as also are sales of waste eroducts. Any new building word and machinery
or other capital items produced by establishments for hiring or ther capital items procuced by establishments for hiring
out or leasing are regarded as sales, the value included in the out or leasing are regarded as sales. the value incluced in the
return being thet adopted in the estabishment's capital assed
and accounts. Forward sales and canteen takings are excluded.
All sales in the period of the inquiry are included irrespective All sales in the period of the inquiry are included irespective
of when the goods were manutactured. Goods produced in
one establishment and transfered either to ancililary departone establishment and transferred either to ancillary depart-
ments not engaged in production and for which there are
sena separate accounts, or to another establishment of the same
firm not covered by the return, are treated as sales by the firm not covered by the return, are treated as sales by the
producing sestabbishment and avalued as far as opssible as if
they had they had been sold to an independent purchaser. Goods
transferred to wholesale or reatil selling organisations, for
which separate accounts are kept are valued on the same transferred to wholesale or retail selling organisations, fo
which separate accounts are kept are valued on the same
basis. The value shown for sales is the "net selling value" defined
as the amount (excluduing value added tax) charged to
customers whether on an ex-works or delivered basis, atter
any trade discounts and agents' commissions have been
deducted. The cost of packing materials lesss allowance fo returnable cases is included. In industries where product
atrract Excise Duty the value stated is usually inclusive of duty if sold duty-puid tand exalue stated is usualy of inclusive of duty exported.
Figures or work done represent the amount charged for work
carried out on materials supplied by a customer and include
 repair work. Within certain industries this heading covers a
mide variety of activities. For erample, witho the foo
sector-butter packed on commission; within the textile
 finishing: within printing and pubbishing-preparatory work
on type-setting, bock making and binding. Work done is als
significant in the electrical machinery and heavy engineering industries, covering erection, instalalation and repair and
iobboing work Other activitios witho this heding iobbing work. Other activities within this heading includ
exploration work, research and development, glass cutting and explosation work, research and development, lass cuting ane
dressin and planing of timber. Industrial services rendere
includes repairs and maintenance, installation work, and includes repairs and maintenance, installation work, and
technical research and studies rendered to other organisations.
Capital goods produced for establishments' own use
This incude all work carried out during the year by the
estabolishments own stat tor their own use, which was of a establishments
capital nature.
Non-industrial services rendered
Incluces rents received for commercial and industrial buildings,
amounts charged for hiring out plant. machinery and othe goods and amounts charged to other organisations for the
provisis. provision of transport. Also includes amounts received for
the right to use patents, trademarks, copyrights etc.

Goods merchanted or factored
Merchanted goods sare those (excluding canteen sales) sold
without having been subjected to any manufacturing process without taviver
by the seller.
Stocks and work in progress
Values are given of stocks of goods on hand for sale and of materials, stores and fuel, at the end of the year of return and
the change during the year, including any stocks of goods he for merch anting or factoring. Work in progress is defined as materials which have been partitill processed by the establish
ment but which are not usually sold or transferred to another
establishment without further processing The ealues include establishment with out further processing. The values include the cost of materials consumed and labour used, together with
a margin of overhead costs and profits. Progress payment made to sub-contractors are excluded dand progress payments
received from other organisations are not deducted.
Wages and salaries
These are amounts paid during the year to operatives and to
administrative, technical and clerical emplovees. Payments to working proprietors, whether called salaries, or not, are
excluded. The values shown include all overtime payments. working proprietors, whether caled salanes or ere
excluded. The values shown include all overtime payments.
bonuses and commissions, whether paid regularly or not, an bonuses and commissions, whether paid regulary or not, atd
no deduction is made for income tax, insurances, contributory no deduction is made for income tax, insurances, contributory
pensions etc. The value of redundancy payments less any amounts reimmursed from Government sources is included.
The value of any payments in kind, travelling expenses etc.
is exaluded The evalue of
is excluded.
Remuneration paid to outworkers
The remuneration paid to outworverkers (i.e. persons employed by the estabilishment who do their work in their own homes)
generaly on a piece-work basis. Only amounts paid to outworkers whose names appear on the establishment
payroll are included. Amounts paid to outworkers by sub payrortare are are excluded.
contrator
Employers' insurance and welfare contributions
This item includes emplovers' contributions
This item includes employers contributions to national insurance and graduated pensions (and/or earnings related
basic contributions under the Social Security Act, 1973) as well as commercial insurance premiums to provide pension superannuation or other retirement benefits, sickness benefits,
personal accident benefits, disability or death benefits for employees or former employess of their dependants. Contr children's holiday homes, etct.for employees, former employee

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