## 90 Bolts, nuts, screws, rivets, etc.

This Report on the Bolts, Nuts, Screws, Rivets, etc Industry relates to establishments engaged wholly or mainly in manufacturing bolts, nuts, screws, metal washers, rivets, split pins, cut nails, zinc nails, etc but excluding wire nails.

This industry corresponds to minimum list heading 393 in the Standard Industrial Classification (Revised 1968) which has been used for the first time as a basis of classification in the 1968 Census. The definition of this industry however is unchanged from the last detailed Census of Production for 1963 in which it was reported (Part 70).
,
There were no larger establishments in this industry in Northern Ireland in 1963 and 1968.

In interpreting the data in the tables it is essential to bear in mind the notes and definitions which appear on pages (i) to (iv),

LIST OF TABLES

| Table No. | Title | Page |
| :---: | :---: | :---: |
|  | S SECTION I - Estimates for all establishments in the industry |  |
| 1 | Industry summary, 1963 and 1968 | 90/3 |
| 2 | 'Analysis by size of establishment within the industry, 1968 | 90/4 |
| 3 | Percentage analysis of employees, by age and sex, 1969 | 90/5 |
|  | SECTION II - Analysis of returns received |  |
| 4 | Analysis of larger establishments, 1963 and 1968 | 90/6 |
| 5 | Sales of principal products of the industry by larger establishments, including sal es by establishments classified to other industries, 1963 and 1968 | 90/7 |
| 6 | Sales of principal products of the industry by larger establishments classified to other industries, 1963 and 1968 | 90/9 |
| 7 | Sales of other than principal products by larger establishments in the industry, 1963 and 1968 | 90/10 |
| 8 | Production of certain principal products of the industry by larger establishments, 1963 and 1968 | $\begin{aligned} & \text { DOES } \\ & \text { NOT } \\ & \text { APPLY } \end{aligned}$ |
| 9 | Purchases by larger establishments of selected principal products of the industry, 1968 | $\begin{aligned} & \text { DoEs } \\ & \text { NOT } \\ & \text { APPLY } \end{aligned}$ |
| 10 | Purchases by larger establ ishments in the industry, 1963 and 1968 | 90/11 |
| 11 | Transport costs and employment of larger establishments, 1963 and 1968 | 90/13 |
| 12 | Payments for certain services, etc by larger establishments, 1963 and 1968 | 90/13 |
| 13 | Percentage analysis of twelve-month periods covered by returns from larger establi shments, 1968 | 90/14 |

Footnotes continued from page 90/3.
(c) Including services rendered to other organisations (anounts charged for hiring out plant machinery or other goods, for providing transport, or for technical or other services
rendered). rendered).
(d) Administrative, technical and clerical employees.
(e) Excluding expenditure for establishments not yet in production.
(f) Acquisitions less disposals.

BLE 1 Industry summary, 1963 and 1968 United Kingdom (a) (b)

(a) For 1968, estimates for establishments not making satisfactory returns and for small establishments from which only employment data were collected, accounted for 7 per cent. of the total figures in from which only employment data were collected, accounted for 7 per cent. of the total igures in
which they were incorporated: of this, unsat isfactory returns accounted for 2 per cent. For 1963
the the comparable figures were 6 per cent. and 1 per cent. respectively.
(b) The following information relates to small establishments (employing fewer than 25 persons) in this industry. It includes an estimate for small establishments not making satisfactory returns.

|  | 1963 | 1968 |
| :--- | :---: | ---: |
| Number of est abl ishments | 264 | 241 |
| Average number employed: | 328 | 229 |
| Working propr ietors | 3,055 | 2,100 |
| Other persons employed | 2,055 |  |

Footnotes continued on page 90/2.

TABLE 2 Analysis by size of establishment within the industry, 1968
(i) Output and employment

All establishments: United Kingdom

| Number employed on average during the year by the establishment (a) | $\begin{aligned} & \text { Est ab- } \\ & \text { Eish- } \\ & \text { 1isints } \end{aligned}$ | $\begin{aligned} & \text { Enter- } \\ & \text { prises } \\ & \text { (b) } \end{aligned}$ | Total number employed on average during the year (a) | Gross | $\begin{gathered} \text { Net } \\ \text { output } \end{gathered}$ | Net output per head |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Number | Number | Number | £ 000 | £ 000 | £ |
| 1-5 | 51 | 50 | 159 | .. | .. | .. |
| 6-10 | 58 | 58 | 450 | . | $\cdots$ | . |
| 11-24 | 88 | 87 | 1,525 | .. | . | . |
| 25-49 | 37 | 35 | 1,452 | 3,809 | 1,826 | 1,258 |
| 50-99 | 41 | 41 | 2,715 | 8,772 | 4,187 | 1,542 |
| 100-199 | 34 | 30 | 4,731 | 16,380 | 7,738 | 1,636 |
| 200-299 | 16 | 11 | 3,844 | 13, 178 | 6,204 | 1,614 |
| 300-399 | 7 | 5 | 2,470 | 6,961 | 3,282 | 1,329 |
| 400-499 | 7 | 5 | 2,979 | 8,937 | 4,722 | 1,585 |
| 500-749 | 7 | 6 | 3,962 | 11,165 | 5,843 | 1,475 |
| 750-999 | 5 | 5 | 4,080 | 13,682 | 7,701 | 1,888 |
| 1,000 and over |  | 6 | 11,516 | 36,993 | 18,446 | 1,602 |
| Unsatisfactory returns | 56 | 55 | 816 |  | .. |  |
| Total | 413 | 345 | 40,699 | 129,236(c) | 64,607(c) | 1,587(c) |

(ii) Enployees, wages and sal aries

All establishments: United Kingdom

| Number employed on year by the est abl i shment (a) | Employees |  | Wages and sal aries |  | Wages and sal aries per head |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Oper- atives | 0thers (d) | Oper- atives | 0thers <br> (d) | Operatives | 0 thers <br> (d) |
|  | Number | Number | £'000 | $£^{\prime} 000$ | £ |  |
| 1-5 | . | .. | . | .. | . | .. |
| 6-10 | . | . | . | . | $\cdots$ | . |
| 11-24 | . |  |  |  |  |  |
| 25-49 | 1,206 | 219 | 832 | 259 | 690 | 1,181 |
| 50-99 | 2,255 | 437 | 1,698 | 517 | 753 | 1,183 |
| 100-199 | 3,724 | 994 | 2,960 | 1,130 | 795 | 1,137 |
| 200-299 | 3,145 | 695 | 2,372 | 727 | 754 | 1,047 |
| 300-399 | 2,084 | 381 | 1,670 | 432 | 801 | 1,135 |
| 400-499 | 2,441 | 538 | 1,974 | 600 | 809 | 1,115 |
| 500-749 | 3,023 | 939 | 2,551 | 1,102 | 844 | 1,174 |
| 750-999 | 2,849 | 1,231 | 2,920 | 1,579 | 1,025 | 1,283 |
| 1,000 and over | 8,944 | 2,572 | 7,972 | 2,947 | 891 | 1,146 |
| Unsat isfactory returns | \% |  | .. | . | .. | .. |
| Total | 31,822(c) | 8,575(c) | 26,746(c) | 9,953(c) | 840 (c) | 1,161(c) |

[^0](b) The sum of the figures for the size groups exceeds the total for the industry to
the extent that enterprises made returns for establishments in more than one the extent
size group.
(c) Including estimates for establishments employing fewer than 25 persons and for
(d) Administrative, technical and clerical employees

TABLE 3 Percentage analysis of employees, by age and sex, 1969 (a)
All establishments: United Kingdom

| Ages | Mal es | Fenales | All employees |
| :---: | :---: | :---: | :---: |
|  | Per cent. | Per cent. | Per cent. |
| Under 18 | 3 | 2 | 5 |
| 18 and over | 62 | 33 | 95 |
| All ages | 65 | 35 | 100 |

(a) The percentages relate to the numbers employed (excludin working proprietors) at June 1969, the earliest date for
which the information is available on the basis of the Which the information is avail able on the basis of
Standard Industrial Classification, (Revised 1968).

Footnotes to Table 4.
(a) Some establishments employing fewer than 25 persons were

(b) Including services rendered to other organisations (amount b) Including services rendered to other organisations (amounts
charged for hiring out plant, machinery or other goods, fo
providing transport, or for technical or other services rendered).
(c) This is the ratio of total sales of principal products by the ind
done.
(d) Administrative, technical and clerical employees.
(e) Excluding expenditure for establishments not yet in production.

TABLE 4 Analysis of larger establishments, 1963 and 1968
Establishments employing 25 or more persons: Analysis of returns received
United Kingdom (a)


PE 5 industry by larger establishments, including Sales of principal products of the to ther industries, 1963 and 1968
employing 25 or more persons:
Establishments employing 25 or more persons:
Analysis of returns received, United Kingdom


BLE 5 (cont inued)

|  | 1963 |  | 1968 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Quantity | Value | Quant ity | Value | Enterprises | $\underset{\substack{\text { Entr- } \\ \text { ies }}}{ }$ |
| $k$ done |  | £'000 |  | £'000 | Number | Number |
| nal and jobbing work (including air work) |  | 332 |  | 613 | 9 | 10 |
| Other work done |  | 13 |  | 256 | 13 | 14 |
| Total |  | 84,353 |  | 103,632 | . | . |
| Sales in other industries (see Table 6) |  | 3,711 |  | 3,737 | . |  |
| Principal products of this industry sold by establishments in the industry |  | 80,642 |  | 99, 895 | 110 | 147 (e) |

## Amended figur

Not recorded separately for 1963.
(.) For 1963 aluminium washers were excluded.

For 1963 aluminium washers were excluded.
For 1963 deseribed as bolts and nuts of brass and other copper alloys.
This figure represents the total number of returns made for larger establishments in this industry which
is less than the total number of establishments shown in Table 4 on account of combined returns covering
more than one establishment.

BLE 6 Sales of principal products of the industry by larger establishments classified to other industries, 1963 and 1968 Establishments employing 25 or more persons:
Analysis of returns received, United Kingdom

|  | 1963 | 1968 |  |  |
| :---: | :---: | :---: | :---: | :---: |
|  | Value | Value | Entries | $\begin{gathered} \text { Principal } \\ \text { industries } \\ \text { in which } \\ \text { produced (a) } \end{gathered}$ |
| ron and steel | £’000 | £’000 | Number |  |
| Boot and shoe grindery, nails, tacks and rivets (including tubular rivets and bifurcated rivets manufactured from wire) | 948 | 892 | * | 44,71,82,97 |
| Washers (other than washers assembled with bolts, ete) | 412 | 165 | 15 | 64,66,82,97 |
| Bolts and nuts of all descriptions, set screws, screw studs, screws for metal (including self-tapping screws) and taper pins of various metals | 2,352 | 2,680 | 32 | 44,66,88,95 |
| Total | 3,712 | 3,737 | . |  |

[^1]TABLE 7 Sales of other than principal products by larger establishments in the industry, 1963 and 1968
Establ ishments employing 25 or more persons:
Analys is of returns rece ived, United $K$ ingdom

|  | 1963 | 1968 |
| :---: | :---: | :---: |
|  | Value | Value |
| Plant and machinery, including parts | £'000 | £'000 |
|  | 703 | 869 |
| Parts and accessories of motor vehicles and tractors Manufactures of iron and steel | 857 | 1,933 |
|  |  |  |
| Nails, tacks, staples, wire and all other manufactures of wire | 390 | 532 |
| Railway spikes | 166 | 81 |
| Tools, implements and builders ironmongery | 1,452 | 840 |
| Stampings, pressings and steel forgings, other than drop forgings | 842 | 1,020 |
| 0ther manufactures of iron and steel, and non-ferrous metals, not elsewhere specified | 1,550 | 3,175 |
| Other products | 1,737 | 1,264 |
| Services rendered to other organisations (a) | 247 | 952 |
| Total value of goods sold without having been subjected to any manufacturing process (merchanted or factored) | 6,464 | 9,358 |
| Canteen takings | 228 | 378 |
| Total | 14,636 | 20,402 |

(a) Amounts charged for hiring out plant, machinery or other goods, for providing

TABLE Production of certain princip establ ishments, 1963 and 1968

This table is not applicable to this industry.

TABLE 10 Purchases by larger establishments in the industry, 1963 and 1968
Establishments employing 25 or more persons: Analysis of returns received, United Kingdom


(a) For 1963 'Cadmium copper', was not spec if ically excluded.
(b) For 1963 'Cadmium copper', was not specifically included but blister was excluded.
(c) Not recorded separately for 1963.
(d) For 1963 described as 'Heavy chemicals'.
(e) Owing to the risk of disclosure of information relating to individual firms the quant ity of

TABLE 11 Transport costs and employment of larger establishments, 1963 and 1968
Establishments employing 25 or more persons

|  | Unit | 19663 | 1968 |
| :---: | :---: | :---: | :---: |
| Average number mainly employed on transport | No. | 408 | 394 |
| Transport costs |  |  |  |
| Wages and salaries | £'000 | 331 | 366 |
| Derv fuel and motor spirit |  | 125 | 175 |
| Tyres and other spare parts for road goods vehicles | * |  | 90 |
| ayments to other $\quad$ by road |  |  | 1,043 |
| organisat ions for transport $\quad\left\{\begin{array}{l}\text { by rail and other } \\ \text { means excluding } \\ \text { postal services }\end{array}\right.$ |  | 984 | 340 |
| Costs of operating road goods vehicles |  |  |  |
| Insurance |  | 20 | 24 |
| Vehicle licences |  | 13 | 32 |
| Depreciation | " | 142 | 141 |
| Payments to other organisations for repairs and maintenance |  | 36 | 62 |
| Total | " | 1,651(a) | 2,273 |

(a) Excluding tyres and other spare parts for road goods vehicles, not
collected separately for 1963 .

TABLE 12 Payments for certain services, etc by larger establishments, 1963 and 1968 (a) Establishments employing 25 or more persons:
Analysis of returns received, United Kingdom

|  | Amounts payable |  |
| :---: | :---: | :---: |
|  | 1963 | 1968 |
| Repairs and maintenance to | £'000 | £'000 |
| Buildings | 342 | 314 |
| Road goods vehicles | 36 | 62 |
| Plant, machinery and other capital equipment | 623 | 1,112 |
| Insurance, licensing and depreciation of road goods vehicles (b) | 175 | 197 |
| Rates, excluding water rates | 568 | 815 |
| Hire of plant and machinery | 155 | 448 |
| Postage, telephone, telegrams, cables and telex (c) | 316 | 488 |
| Total | 2,216 | 3,436 |

[^2]TABLE 13 Percentage analysis of twelve-month periods covered by returns from larger establishments, 1968

Establishments employing 25 or more persons: Analysis of returns received, United Kingdom

| Year ended | Percent age of total returns rece ived | Percentage of total number employed |
| :---: | :---: | :---: |
| 1968 | Per cent. | Per cent. |
| April (a) | 0.7 | 0.3 |
| May | 1.4 | 0.6 |
| June | 8.2 | 6.7 |
| July | 7.5 | 6.4 |
| August | 3.4 | 4.5 |
| September | 9.5 | 4.9 |
| October | 0.7 | 0.1 |
| November | 1.4 | 0.6 |
| December | 46.3 | 64.4 |
| 1969 |  |  |
| January | 2.0 | 3.6 |
| February | 3.4 | 0.8 |
| March | 14.3 | 5.9 |
| April (b) | 1.4 | 1.2 |
|  | 100 | 100 |

(a) From 6 April.
(b) To 5 April.


[^0]:    (a) Including working proprietors.

[^1]:    (a) The references given are to the list of industries at the front of this report.

[^2]:    (a) No deduction is made for these payments to arrive at the figures of
    (b) For details see Table 11 .
    (c) Excluding telex for 1963.

