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BOARD OF TRADE

STATISTICS
BACK-UP

42
(HA 251)

THE REPORT
on the
CENSUS OF PRODUCTION
FOR 1951

Volume 4

Trade A

SHIPBUILDING AND SHIP REPAIRING



*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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TWO SHILLINGS NET

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* Not applicable to this trade

SHIPBUILDING AND SHIP REPAIRING TRADE

THIS REPORT on the Shipbuilding and Ship Repairing Trade relates to establishments engaged wholly or mainly in the building or repairing of ships, boats, barges, lighters, etc. of all types and sizes, whether self-propelled or not. The manufacture of oars, masts and spars, rigging and other tackle (but not engines) and of ships' models is included.

The Admiralty dockyards are included in this report. The manufacture and installation of main and auxiliary engines for ships, marine turbines, etc. is excluded and details of these activities are given in the report on the Marine Engineering Trade (Volume 4, Trade B).

The output of the establishments making returns in this trade was mostly returned in terms of work done in the year of return, but net selling value was recorded for ships completed in the year of return with the value of work in progress on these ships at the beginning of the year.

This trade corresponds to minimum list heading 50 in the Standard Industrial Classification.

IMPORTANT NOTES and definitions appear on the inside of the back cover of this report. In interpreting the data in the following tables, it is essential to bear these in mind.

ENGINEERING, SHIPBUILDING AND ELECTRICAL GOODS
SHIPBUILDING AND SHIP REPAIRING TRADE

Summary

Larger establishments (a)

TABLE 1

| | United Kingdom | | | Great Britain | | United Kingdom |
|--|----------------|----------------|--------------|---------------|--------------|----------------|
| | 1951 | 1950 | 1949 | 1949(b) | 1948 | 1935 |
| | £'000 | £'000 | £'000 | £'000 | £'000 | £'000 |
| Gross output (production) (c) | 249,116 | 234,676 | 245,647 | .. | 234,868(d) | 45,738 |
| Cost of materials and fuel used (e) | 105,576 | 96,646(d) | 99,214 | .. | 91,388 | 22,290 |
| Payment for work done on materials given out | 32,743 | 30,735 | 36,050 | .. | 28,894 | 679 |
| Transport payments (f) | 772 | .. | .. | .. | .. | .. |
| Net output | 110,025 | 107,295(d) | 110,383 | .. | 114,586(d) | 22,769 |
| Wages and salaries of persons employed | 83,746 | 78,958 | 82,651 | .. | 82,682 | .. |
| Average number of persons employed (g) | No. 207,788 | No. 212,242(d) | No. 227,073 | .. | No. 231,374 | No. 113,383 |
| Net output per person employed (g) | £ 530 | £ 506(d) | £ 486 | .. | £ 495(d) | £ 201 |
| Stocks of materials and fuel at end of year | £'000 16,506 | £'000 12,190 | £'000 12,117 | .. | £'000 10,806 | £'000 .. |
| Number of establishments | No. 686 | No. 682 | No. 700 | .. | No. 678 | No. 400 |

The values of gross output and of materials and fuel used are derived in the following way:-

| | £'000 | £'000 | £'000 | | £'000 | £'000 |
|--|---------|-----------|---------|----|------------|--------|
| Value of work done and goods sold by firms in this trade (h) | | | | | | |
| Principal products (i) | 242,154 | 234,975 | 245,993 | .. | 225,038(d) | 43,161 |
| Other output (j) | 6,961 | | | | | |
| Less payment for transport outwards (f) | 249,116 | 234,975 | 245,993 | .. | 235,174 | 45,738 |
| | .. | 299 | 346 | .. | 306 | |
| Gross output (production) | 249,116 | 234,676 | 245,647 | .. | 234,868 | 45,738 |
| Materials and fuel used by firms in this trade | | | | | | |
| Purchases | 110,375 | 96,740(d) | 99,274 | .. | 93,123 | 22,290 |
| Changes in stocks (k) | - 4,799 | - 94 | - 60 | .. | - 1,735 | |
| Materials and fuel used | 105,576 | 96,646 | 99,214 | .. | 91,388 | 22,290 |

(a) For small firms' summary see Table 2.

(b) Owing to the risk of disclosure of information relating to individual firms in Northern Ireland separate particulars for Great Britain cannot be given.

(c) Gross output for 1951 includes payments to other firms and undertakings and to firms' own separate transport organisations for transport services. For other years payments for transport services outwards on finished goods sold are excluded.

(d) Corrected figure.

(e) Amounts paid for delivery services are excluded for 1951 but included for other years.

(f) Payments to other firms and undertakings and to firms' own separate transport organisations. For 1951 they cover payments for transport of both goods sold and materials and fuel purchased. For other years payments cover only transport outwards of finished goods sold.

(g) Excluding outworkers but including working proprietors. For an estimate of the total number of persons employed in this trade see Table 3.

(h) Value of shipbuilding and ship repairing work done during the year and sales of ships' fittings, etc. and other products.

(i) For details for 1951 and 1948 see Table 8.

(j) For details for 1951 and 1948 see Table 10.

(k) For details for 1951 see Table 21.

SHIPBUILDING AND SHIP REPAIRING

TABLE 2

Summary: Small firms (a)

| | Great Britain | | United Kingdom | Great Britain | |
|--|---------------|-------|----------------|---------------|-------|
| | 1951 | 1950 | 1949 | 1949 | 1948 |
| Number of returns | 410 | 365 | 358 | 352 | 370 |
| Average number of persons employed (b) | | | | | |
| Males | 2,232 | 2,000 | 2,003 | 1,963 | 2,066 |
| Females | 173 | 144 | 116 | 115 | 112 |
| Total | 2,405 | 2,144 | 2,119 | 2,078 | 2,178 |

(a) Small firms (employing on the average ten or fewer persons) that made satisfactory returns. No information about small firms was collected in Northern Ireland for 1951 or 1950.

(b) Including working proprietors.

Estimated average employment (a): All firms

TABLE 3

| | United Kingdom | | | Great Britain | |
|---|----------------|------------|---------|---------------|---------|
| | 1951 | 1950 | 1949 | 1949 | 1948 |
| As returned by firms | | | | | |
| Employing on the average more than ten persons (b) | 207,788 | 212,242 | 227,073 | (c) | 231,374 |
| Employing on the average ten or fewer persons (d) | 2,405(e) | 2,144(e) | 2,119 | 2,078 | 2,178 |
| Estimated average employment in firms not making satisfactory returns | 210,193 | 214,386 | 229,192 | (c) | 233,552 |
| | 287 | 192 | 244 | 244 | 254 |
| Estimated average employment in all firms | 210,480(e) | 214,578(e) | 229,436 | (c) | 233,806 |

(a) Including working proprietors.

(b) See Tables 13(iv) and 14.

(c) Owing to the risk of disclosure of information relating to individual firms in Northern Ireland separate particulars for Great Britain cannot be given.

(d) See Table 2.

(e) Excluding any small firms in Northern Ireland.

Analysis by size, 1951

Larger establishments in the United Kingdom

TABLE 4

| Average number employed | Establishments | Gross output | Net output | Persons employed | Remuneration | | | Net output per person employed |
|-------------------------|----------------|--------------|------------|------------------|--------------|---------------------|--------|--------------------------------|
| | | | | | Operatives | Other employees (a) | Total | |
| | No. | £'000 | £'000 | No. | £'000 | £'000 | £'000 | £ |
| 11 - 24 | 151 | 2,286 | 1,242 | 2,539 | 737 | 143 | 880 | 489 |
| 25 - 49 | 163 | 5,479 | 2,949 | 5,717 | 1,803 | 353 | 2,157 | 516 |
| 50 - 99 | 122 | 8,191 | 4,591 | 8,810 | 2,949 | 533 | 3,483 | 521 |
| 100 - 199 | 87 | 12,065 | 6,529 | 12,354 | 4,290 | 644 | 4,934 | 528 |
| 200 - 299 | 44 | 13,344 | 6,239 | 10,680 | 3,879 | 681 | 4,560 | 584 |
| 300 - 399 | 18 | 7,299 | 3,490 | 6,333 | 2,286 | 362 | 2,647 | 551 |
| 400 - 499 | 15 | 6,482 | 3,891 | 6,564 | 2,524 | 307 | 2,831 | 593 |
| 500 - 749 | 29 | 22,998 | 10,590 | 17,712 | 6,506 | 881 | 7,386 | 598 |
| 750 - 999 | 10 | 9,261 | 4,433 | 8,586 | 3,090 | 395 | 3,485 | 516 |
| 1,000 - 1,499 | 16 | 28,126 | 11,386 | 19,488 | 6,712 | 1,044 | 7,756 | 584 |
| 1,500 - 1,999 | 12 | 30,346 | 10,570 | 20,500 | 7,181 | 1,081 | 8,262 | 516 |
| 2,000 - 2,499 | 3 | 7,194 | 3,580 | 6,307 | 2,295 | 308 | 2,603 | 568 |
| 2,500 - 2,999 | 5 | 12,323 | 7,352 | 13,405 | 5,224 | 558 | 5,782 | 548 |
| 3,000 - 3,999 | 5 | 28,415 | 9,112 | 16,996 | 5,681 | 1,158 | 6,839 | 536 |
| 4,000 and over | 6 | 55,307 | 24,070 | 51,797 | 17,526 | 2,615 | 20,141 | 465 |
| Total | 686 | 249,116 | 110,025 | 207,788 | 72,683 | 11,063 | 83,746 | 530 |

(a) Administrative, technical and clerical employees.

Analysis by standard region, 1951

Larger establishments in the United Kingdom

TABLE 5

| Region | Estab-lish-ments | Gross output | Net output | | Persons employed | Remuneration | | | Net output per person employed |
|-------------------------------------|------------------|--------------|------------|-----------------------------|------------------|--------------|---------------------------|--------|--------------------------------|
| | | | Value | Percent- age of total | | Operatives | Other employees (a) | Total | |
| | No. | £'000 | £'000 | | No. | £'000 | £'000 | £'000 | £ |
| England and Northern Ireland | 78 | 63,439 | 23,766 | 21.6 | 42,017 | 14,510 | 2,028 | 16,538 | 566 |
| Northern | | | | | | | | | |
| East and West Ridings | 46 | 7,586 | 3,444 | 3.1 | 5,715 | 2,066 | 336 | 2,402 | 603 |
| North Midland; and Northern Ireland | 35 | 22,951 | 8,334 | 7.6 | 17,123 | 5,888 | 972 | 6,860 | 487 |
| Eastern | 44 | 2,740 | 1,564 | 1.4 | 3,197 | 1,046 | 160 | 1,206 | 489 |
| London and South Eastern | 125 | 18,063 | 11,531 | 10.5 | 21,580 | 8,196 | 1,084 | 9,279 | 534 |
| Southern | 52 | 16,905 | 10,769 | 9.8 | 23,096 | 8,029 | 1,305 | 9,334 | 466 |
| South Western | 28 | 11,604 | 7,245 | 6.6 | 15,750 | 5,507 | 672 | 6,179 | 460 |
| Midland | 8 | 778 | 320 | 0.3 | 488 | 138 | 46 | 184 | 656 |
| North Western | 88 | 28,299 | 14,714 | 13.4 | 25,647 | 9,364 | 1,505 | 10,869 | 574 |
| Total England and Northern Ireland | 504 | 172,365 | 81,687 | 74.2 | 154,613 | 54,744 | 8,108 | 62,852 | 528 |
| Wales | 40 | 5,672 | 3,710 | 3.4 | 6,210 | 2,528 | 307 | 2,836 | 597 |
| Scotland | 142 | 71,078 | 24,628 | 22.4 | 46,965 | 15,410 | 2,648 | 18,059 | 524 |
| United Kingdom | 686 | 249,116 | 110,025 | 100.0 | 207,788 | 72,683 | 11,063 | 83,746 | 530 |

(a) Administrative, technical and clerical employees.

TABLE 6 - Analysis according to specialisation within the trade, 1951

Larger establishments in the United Kingdom

No specialisation within this trade was distinguished.

TABLE 7 - Total make of intermediate products: Larger establishments

This table is not applicable to the trade.

Value of shipbuilding and ship repairing work done during the year and sales of ships' fittings and models including sales of these products and shipbuilding, etc. work done by establishments classified to other trades

Larger establishments

TABLE 8

| | United Kingdom 1951 | | | | Great Britain 1948 | | |
|---|------------------------|---------------|---------------|---------|-----------------------|---------------|---------------|
| | No. | Gross tonnage | Selling value | Entries | No. | Gross tonnage | Selling value |
| | | Th. tons | £'000 | No. | | Th. tons | £'000 |
| I - SHIPS, ETC. WHOLLY CONSTRUCTED IN THE YEAR OF RETURN | | | | | | | |
| Vessels other than war vessels | | | | | | | |
| Steam vessels | 12 | 3.1 | 556 | 6 | .. | .. | (a) |
| Motor vessels | | | | | | | |
| Of 100 tons gross and over | 6 | 2.5 | 268 | 5 | 11 | 1.9 | 173 |
| Not exceeding 100 tons gross | | | | | .. | 1.8 | 158 |
| Fishing vessels | 15 | 0.2 | 31 | 6 | 305 | 4.8 | 744(a) |
| | 1 | .. | 7 | | 201 | .. | 206 |
| Other | 153 | 1.1 | 348 | 60 | .. | .. | 91 |
| | 283 | .. | 223 | | | | |
| | .. | .. | 96 | | | | |
| Other vessels, not self-propelled | 174 | 2.0 | 156 | | 150 | 3.0 | 208 |
| | 1,122 | .. | 239 | 55 | 1,904 | .. | 460 |
| | .. | 1.4 | 65 | | .. | .. | 750 |
| | .. | .. | 302 | | | | |
| Other work of new construction, e.g., floating docks, pontoons, caissons | | | 69 | 9 | | | (b) |
| Total ships, etc. wholly constructed in the year of return | | | 2,359 | .. | | | 2,791 |
| II - SHIPS, ETC. COMPLETED IN THE YEAR OF RETURN BUT NOT WHOLLY CONSTRUCTED IN THAT YEAR | | | | | | | |
| Steam vessels | | | | | | | |
| Fishing vessels | 25 | 16.9 | 3,245 | 6 | 24 | 13.9 | 2,318 |
| | | | | | .. | 4.1 | 708 |
| Other vessels of 100 tons gross and over | | | | | | | |
| Passenger ships of all descriptions | 10 | 133.2 | 17,473 | 8 | 24 | 197.9 | 20,622 |

TABLE 8 (contd.)

| | United Kingdom 1951 | | | | Great Britain 1948 | | |
|---|------------------------|------------------|------------------|---------|-----------------------|------------------|------------------|
| | No. | Gross tonnage | Selling value | Entries | No. | Gross tonnage | Selling value |
| | | Th. tons | £'000 | No. | | Th. tons | £'000 |
| II - SHIPS, ETC. COMPLETED IN THE YEAR OF RETURN BUT NOT WHOLLY CONSTRUCTED IN THAT YEAR (contd.) | | | | | | | |
| Steam vessels (contd.) | | | | | | | |
| Other vessels of 100 tons gross and over (contd.) | | | | | | | |
| Cargo liners and cargo tramps (other than refrigerator cargo ships) | 32 | 156.8 | 12,780 | 16 | 55 | 212.8 | 16,198 |
| Tankers | 6 | 65.4 | 4,823 | .. | 3 | 19.8 | 1,334 |
| Other (including war vessels (steam and motor) and vessels under 100 tons gross) | 42 | .. | 17,876 | 27 | 124 | .. | 14,545 |
| | .. | .. | 201 | .. | .. | .. | 4,471 |
| Motor vessels (excluding war vessels) | | | | | | | |
| Of 100 tons gross and over | | | | | | | |
| Passenger ships of all descriptions | 12 | 57.6 | 7,275 | 9 | 44 | 63.4 | 6,599 |
| Refrigerator cargo ships | 4 | 34.0 | 3,335 | .. | 7 | 68.6 | 5,738 |
| Other cargo liners and cargo tramps | 39 | 149.2 | 14,000 | 19 | 72 | 259.9 | 20,939 |
| Tankers | 71 | 675.1 | 45,006 | 30 | 41 | 184.2 | 10,951 |
| | .. | .. | 38 | .. | .. | .. | .. |
| Fishing vessels | 3 | 1.1 | 345 | .. | 5 | 0.8 | 120 |
| Other | 30 | 34.3 | 4,174 | 17 | 12 | 3.5 | 560 |
| | 2 | .. | 115 | .. | 6 | .. | 118 |
| | .. | 0.1 | 15 | .. | .. | .. | .. |
| Not exceeding 100 tons gross | | | | | | | |
| Fishing vessels | 5 | 0.2 | 47 | 6 | 60 | 1.9 | 314 |
| | 1 | .. | 5 | .. | 7 | .. | 15 |
| Lifboats | 35 | 0.4 | 204 | 8 | 21 | 0.1 | 45 |
| | 10 | .. | 8 | .. | 22 | .. | 64 |
| Other | 157 | 2.2 | 701 | 45 | 149 | 2.3 | 715 |
| | 29 | .. | 72 | .. | 37 | .. | 85 |
| | .. | .. | 4 | .. | .. | .. | 44 |
| Other vessels not self-propelled | | | | | | | |
| Lifboats | 142 | 0.7 | 60 | 10 | 459 | .. | 283 |
| | 30 | .. | 14 | .. | .. | .. | .. |
| | .. | .. | 2 | .. | .. | .. | .. |
| Sailing vessels | | | | | | | |
| Racing yachts | 6 | .. | 17 | 8 | 38 | 0.1 | 41 |
| | .. | .. | 6 | .. | .. | .. | .. |
| Other sailing vessels | 34 | 0.7 | 43 | 17 | 33 | .. | 46 |
| | 120 | .. | 15 | .. | .. | .. | 8 |
| | .. | .. | 5 | .. | .. | .. | .. |
| Other kinds | 101 | 15.3 | 1,081 | 29 | 67 | 6.1 | 377 |
| | 89 | .. | 12 | .. | 48 | .. | 3 |
| | .. | .. | 225 | .. | .. | .. | 132 |
| Other work of new construction, e.g., floating docks, pontoons, caissons | | | | | | | |
| | | | 404 | 13 | | | (b) |
| Total value of ships, etc. completed in the year of return but not wholly constructed in that year | | | | | | | |
| | | | 133,626 | .. | | | 107,392 |
| Less work in progress at the beginning of the year | | | | | | | |
| | | | 58,870 | .. | | | 50,168 (c) |
| Total value of work done in the year of return on ships, etc. completed but not wholly constructed in that year | | | | | | | |
| | | | 74,756 | .. | | | 57,225 |

TABLE 8 (contd.)

| | United Kingdom 1951 | | Great Britain 1948 |
|--|-----------------------------------|---------|-----------------------------------|
| | Value of work done in the year | Entries | Value of work done in the year |
| | £'000 | No. | £'000 |
| III - NEW CONSTRUCTION WORK BEGUN BEFORE OR DURING THE YEAR OF RETURN BUT NOT COMPLETED AT THE END OF THE YEAR | | | |
| War vessels | 9,611 | 50 | 1,436 (c) |
| Other than war vessels | | | |
| Steam vessels | | | |
| Fishing vessels | 654 | 6 | 1,280 |
| Other vessels of 100 tons gross and over | | | |
| Passenger ships of all descriptions | 4,466 | 12 | 5,885 |
| Refrigerator cargo ships | 1,276 | .. | 1,580 |
| Other cargo liners and cargo tramps | 7,655 | 26 | 10,353 |
| Tankers | 8,087 | 19 | 598 |
| Other, including vessels under 100 tons gross | 1,044 | 15 | 1,514 (c) |
| Motor vessels | | | |
| Of 100 tons gross and over | | | |
| Passenger ships of all descriptions | 1,393 | 10 | 1,906 (c) |
| Refrigerator cargo ships | 1,417 | 7 | 3,426 |
| Other cargo liners and cargo tramps | 9,405 | 33 | 9,715 |
| Tankers | 14,860 | 30 | 8,232 |
| Fishing vessels | 416 | 6 | 372 |
| Other | 1,372 | 21 | 973 |
| Not exceeding 100 tons gross | | | |
| Fishing vessels | 30 | .. | 169 |
| Lifboats | 126 | 8 | 303 |
| Other | 383 | 42 | 408 (c) |
| Other vessels, not self-propelled | | | |
| Lifboats | 21 | 10 | 34 |
| Sailing vessels | 97 | 19 | 37 |
| Other kinds | 616 | 24 | 340 |
| Other work of new construction, e.g., floating docks, pontoons, caissons | | | |
| | 322 | 13 | (b) |
| Total value of new construction work done in the year on ships, etc. begun during the year or earlier but not completed at the end of the year | | | |
| | 63,251 | .. | 48,562 |
| IV - OTHER WORK DONE | | | |
| Sub-contract, etc. work done on new vessels (d) | | | |
| Insulation (not electrical) and similar work | 1,595 | 18 | 2,981 |
| Electrical and like work | 614 | 7 | 493 |
| Deck and flooring work | 475 | 7 | 578 |
| Heating, ventilating, etc. work | 293 | 8 | |
| Other sub-contract work (including painting) | 1,123 | 13 | 25,610 (c) (e) |
| Repair and maintenance work done in the year on ships, etc. | | | |
| War vessels | 26,087 | 154 | 6,423 |
| Other vessels and floating docks, pontoons, caissons, etc. | 67,345 | 526 | 77,649 |
| Unclassified | 5,299 | 141 | 6,046 |
| Other work done | 949 | 93 | .. |

TABLE 8 (contd.)

| | United Kingdom 1951 | | Great Britain 1948 |
|---|-----------------------------------|---------|-----------------------------------|
| | Value of work done in the year | Entries | Value of work done in the year |
| V - GOODS SOLD | £'000 | No. | £'000 |
| Ships' or boats' fittings (blocks, masts, spars, oars, etc.), sold separately (f) | 1,807 | 69 | 1,791 |
| Ships' models (for exhibition, etc. purposes, not toys) (d)(f) | 32 | 5 | 29 |
| Waste products, other than scrap metals (f) | 54 | 109 | 57 |
| Total | 246,039 | .. | 230,234 |
| Selling value or value of work done in other trades (see Table 9) | 3,885 | .. | 5,195 |
| Principal products of this trade (selling value or value of work done) by establishments in the trade | 242,154 | 602 | 225,038 |

- (a) Steam vessels are included with motor vessels.
 (b) Included with 'IV - Other work done'.
 (c) Corrected figure.
 (d) So far as recorded separately.
 (e) Including unspecified work done on war and other vessels.
 (f) Selling value.

Value of shipbuilding and ship repairing work done during the year and sales of ships' fittings and models, by establishments classified to other trades
 Larger establishments

TABLE 9

| | United Kingdom 1951 | | | Great Britain 1948 | | | |
|---|------------------------|---------------|---------------|-----------------------|-----|---------------|--------------------|
| | No. | Gross tonnage | Selling value | Entries | No. | Gross tonnage | Selling value |
| Ships, etc., wholly constructed in the year of return, other than war vessels, steam vessels of 100 tons gross and over, and motor fishing vessels not exceeding 100 tons gross | | Th. tons | £'000 | No. | | Th. tons | £'000 |
| Motor vessels not exceeding 100 tons gross, excluding fishing vessels | 6 | 0.2 | 81 | 5 | .. | .. | 627 |
| Other vessels, not self-propelled | 110 | .. | 110 | | | | |
| Other work of new construction, e.g. floating docks, pontoons, caissons | 62 | .. | 108 | | | | |
| Ships' or boats' fittings sold separately | .. | .. | 119 | .. | .. | .. | .. |
| Ships' or boats' fittings sold separately | .. | .. | 10 | .. | .. | .. | 137 (a) |
| Repair and maintenance, sub-contract work and other work done in the year on ships, etc. | | | 208 | 10 | | | Value of work done |
| | | | £'000 | | | | £'000 |
| | | | 3,248 | 147 | | | 4,431 |
| Total | | | 3,885 | .. | | | 5,195 |

(a) Includes ships' models (for exhibition, etc. purposes).

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Selling value (or value of work done) in the trade of other than principal products

Larger establishments

TABLE 10

| | United Kingdom 1951 | | Great Britain 1948 | |
|--|------------------------|--------------------|-----------------------|--------------------|
| | Quantity | Selling value | Quantity | Selling value |
| | Th. tons | £'000 | Th. tons | £'000 |
| Iron and steel castings | .. | 161 | .. | 183 |
| Plant and machinery, and parts | .. | 599 | .. | 895 |
| Other goods | .. | 1,691 | .. | 1,616 |
| Scrap metals | | | | |
| Iron and steel | 129.3 | 520 | 150 | 439 |
| Non-ferrous metals | .. | 273 | .. | 110 |
| Other | - | - | .. | 13 |
| | | Value of work done | | Value of work done |
| | | £'000 | | £'000 |
| Building and contracting work | | | | |
| Constructional engineering | | 365 | | 237 |
| Construction, alteration, repair or maintenance | | | | |
| Of buildings | | 310 | | 357 |
| Other (including harbours, wharfs, docks and piers) | | 58 | | 1,471 |
| Sub-contract work on buildings | | 603 | | 120 |
| Other work done, including repair, of a type not normally associated with shipbuilding | | 2,382 | | 4,696 |
| Total | | 6,961 | | 10,136 |

Production, exports and imports of certain principal products (a)

Note - For the purposes of comparison, the output figures shown below represent the aggregate of vessels wholly constructed in the year and those completed but not wholly constructed in the year; estimates have been made where necessary. The export figures include all ships and boats, except war vessels newly built in the United Kingdom for overseas owners. The official import statistics exclude sea-going ships in the years covered; therefore no comparable figures of imports can be given.

TABLE 11

| | | Production (b) | | Exports | |
|--|------------------------|-------------------------------|------------------------------|---------------|--|
| | | Gross tonnage | | Gross tonnage | |
| Ships and boats (other than war vessels) | | | | | |
| Steam vessels | { 1951 1948 1935 | 402,236 522,669 278,513 | 142,100 212,888 45,596 | | |
| Motor vessels | { 1951 1948 1935 | 961,061 597,366 242,715 | 491,913 202,782 16,997 | | |
| Other vessels, not self-propelled | { 1951 1948 1935 | 2,314 2,310 586 | 1,766 1,204 51 | | |
| | | £'000 | £'000 | | |

(a) Figures of production refer only to larger establishments in the United Kingdom (1951 and 1935) or Great Britain (1948). All recorded exports from and imports into the United Kingdom are given in the table. The figures, therefore, are not strictly comparable.

(b) Including production by establishments classified to other trades.

(5536/1)

Usage of certain specified purchased materials, 1951
Larger establishments in the United Kingdom

| Materials used | Quantity | |
|---|-----------|--|
| | Th. tons | |
| Iron castings in the rough | 11.8 | |
| Non-alloy steel | | |
| Ingots, billets, blooms and slabs | 2.0 | |
| Rails, sleepers, fish and soleplates | 0.3 | |
| Angles, shapes and sections | 140.8 | |
| Girders, joists, beams and pillars (not fabricated) | 12.0 | |
| Bars and rods | 29.8 | |
| Hoop and strip (including tape) | 0.9 | |
| Tin-, terne- and black-plates and sheets | 0.2 | |
| Other plates and sheets (excluding electrical sheets) | | |
| 1/8 inch thick and over | 487.0 | |
| Under 1/8 inch thick | 6.7 | |
| Tubes and fittings | 27.4 | |
| Wire (single wire) | 0.5 | |
| Forgings, in the rough (other than drop forgings) | 1.8 | |
| Drop forgings | 2.2 | |
| Castings, in the rough | 1.7 | |
| Alloy steel (including high speed steel) | | |
| Bars, rods, angles, shapes, sections, girders, joists, beams and pillars (not fabricated) | 1.2 | |
| Plates, sheet and strip | | |
| 1/8 inch thick and over | 0.1 | |
| Under 1/8 inch thick | 0.1 | |
| Tubes and fittings | 1.1 | |
| Wire (single wire) | - | |
| Forgings, in the rough (other than drop forgings) | 0.1 | |
| Drop forgings | 0.2 | |
| Castings, in the rough | 0.2 | |
| Iron and steel not specified above, except finished parts and scrap | 40.5 | |
| | Th. cwts. | |
| Non-ferrous metals in all forms, except finished parts and scrap | | |
| Aluminium and aluminium alloys | 76.9 | |
| Brass and other copper alloys, including nickel silver but excluding all other nickel alloys | 46.3 | |
| Copper | 48.1 | |
| Lead and lead alloys | 93.3 | |
| Nickel and nickel alloys, other than nickel silver | 0.3 | |
| Tin | 2.1 | |
| Zinc and zinc alloys | 5.7 | |
| Timber (other than reclaimed), including that used for packing or packing case manufacture but excluding joinery, other fabricated woodwork and purchased packing cases | | |
| Hardwood | 1,941.2 | |
| Softwood | 6,451.3 | |

TABLE 13
Employment in September: Larger establishments (a)
(i) Operatives

| | United Kingdom | | | Great Britain | | Number |
|----------|----------------|------------|---------|---------------|---------|---------------------------|
| | 1951(b) | 1950(b) | 1949(b) | 1949(c) | 1948(d) | United Kingdom 1935(d) |
| Males | | | | | | |
| Under 18 | 9,039 | 9,123(e) | 10,689 | .. | 10,884 | 9,150 |
| All ages | 182,343 | 184,319(e) | 197,164 | .. | 206,607 | 103,676 |
| Females | | | | | | |
| Under 18 | 77 | 107 | 130 | .. | 182 | 75 |
| All ages | 2,643 | 2,297 | 2,397 | .. | 2,339 | 701 |
| Total | | | | | | |
| Under 18 | 9,116 | 9,230 | 10,819 | .. | 11,066 | 9,225 |
| All ages | 184,986 | 186,616 | 199,561 | .. | 208,946 | 104,377 |

(ii) Administrative, technical and clerical employees (f)

| | United Kingdom | | | Great Britain | | Number |
|----------|----------------|-----------|-----------|---------------|-----------|------------------------|
| | 1951 | 1950 | 1949 | 1949(c) | 1948 | United Kingdom 1935 |
| Males | | | | | | |
| Under 18 | 845 | 798 | 850 | .. | 874 | 457 |
| All ages | 18,247 | 17,895 | 18,290 | .. | 17,296 | 7,549 |
| Females | | | | | | |
| Under 18 | 719 | 706 | 702 | .. | 684 | 161 |
| All ages | 4,710 | 4,819 | 4,997 | .. | 5,001 | 1,457 |
| Total | | | | | | |
| Under 18 | 1,564 | 1,504 | 1,552 | .. | 1,558 | 618 |
| All ages | 22,957(g) | 22,714(g) | 23,287(g) | .. | 22,297(g) | 9,006 |

(iii) Total employees

| | United Kingdom | | | Great Britain | | Number |
|----------|----------------|------------|------------|---------------|------------|------------------------|
| | 1951 | 1950 | 1949 | 1949(c) | 1948 | United Kingdom 1935 |
| Males | | | | | | |
| Under 18 | 9,884 | 9,921(e) | 11,539 | .. | 11,758 | 9,607 |
| All ages | 200,590 | 202,214(e) | 215,454 | .. | 223,903 | 111,275 |
| Females | | | | | | |
| Under 18 | 796 | 813 | 832 | .. | 866 | 236 |
| All ages | 7,353 | 7,116 | 7,394 | .. | 7,340 | 2,158 |
| Total | | | | | | |
| Under 18 | 10,680 | 10,734 | 12,371 | .. | 12,624 | 9,843 |
| All ages | 207,943(g) | 209,330(g) | 222,848(g) | .. | 231,243(g) | 113,383 |

(a) Excluded employees. The following persons were employed at the larger establishments in this trade in 1951 but are not included in the above tables or in any other Census of Production report (employees in Great Britain engaged, for example, in merchanting and in Northern Ireland canteen and welfare workers):-

Canteen workers 43 Males 603 Females
Other workers 1,340 Males 89 Females

(b) In week ended September 22, 1951, September 30, 1950, and September 24, 1949.

(c) Owing to the risk of disclosure of information relating to individual firms in Northern Ireland separate particulars for Great Britain cannot be given.

(d) Average for the year.

(e) Corrected figure.

(f) In week ended September 22, 1951, September 30, 1950, September 24, 1949, September 25, 1948, and October 12, 1935.

(g) Working proprietors. In addition working proprietors, shown in Table 13(iv) below, were engaged in this trade in larger establishments. The 1935 figures include working proprietors.

| | United Kingdom | | | Great Britain | | Number |
|---------|----------------|------|------|---------------|------|--------|
| | 1951 | 1950 | 1949 | 1949 | 1948 | |
| Males | 95 | 107 | 137 | 137 | 125 | |
| Females | 5 | 6 | 9 | 9 | 6 | |
| Total | 100 | 113 | 146 | 146 | 131 | |

Average employment
Larger establishments (a)

| | United Kingdom | | | Great Britain | | Number |
|--|----------------|------------|---------|---------------|-----------|----------------|
| | 1951 | 1950 | 1949 | 1949(b) | 1948 | United Kingdom |
| | | | | | | 1935 |
| Operatives | 184,860 | 189,506(c) | 203,821 | .. | 208,946 | 104,377 |
| Administrative, technical and clerical employees | 22,828 | 22,623 | 23,106 | .. | 22,297(d) | 9,006(d) |
| Total | 207,688 | 212,129 | 226,927 | .. | 231,243 | 113,383 |

- (a) For employment in small firms (employing on the average ten or fewer persons) that made satisfactory returns see Table 2.
 (b) Owing to the risk of disclosure of information relating to individual firms in Northern Ireland separate particulars for Great Britain cannot be given.
 (c) Corrected figure.
 (d) In week ended September 25, 1948, and October 12, 1935. The 1935 figure includes working proprietors.
 Outworkers. In addition to the employees shown above the firms in this trade employed outworkers whose numbers are shown below.

| | United Kingdom | | | Great Britain | | United Kingdom |
|---------|----------------|------|------|---------------|------|----------------|
| | 1951 | 1950 | 1949 | 1949 | 1948 | 1935 |
| | Males | 4 | 3 | 3 | 3 | - |
| Females | 10 | 3 | 6 | 6 | - | - |
| Total | 14 | 6 | 9 | 9 | - | - |

Shift working, 1951 (a)

Larger establishments in Great Britain

| | Total number of man-shifts worked in the week | Total number of shift-hours worked in the week | Number of returns showing the systems stated |
|---|---|--|--|
| Continuous 3 shift systems per 24 hours averaging 8 hours per shift | - | - | - |
| Continuous 4 shift systems per 24 hours averaging 6 hours per shift | - | - | - |
| All 2 shift systems | 92,700 | 902,520 | 13 |
| Other shift systems | - | - | - |
| Total | 92,700 | 902,520 | (b) |

- (a) Shift working during week ended September 22, 1951.
 (b) The number and percentage of returns showing shift working and of operatives on shift-work were as follows:-

| | Returns | | Operatives | | |
|---|----------------|--------------------|----------------|-------------------------------------|-------------------------------|
| | Total in trade | Showing shift-work | Total in trade | Total on returns showing shift-work | Number employed on shift-work |
| Number | .. | 13 | .. | 21,371 | 17,941 |
| Percentage of total in trade | 100.0 | 2.0(c) | 100.0 | 12.0(c) | 10.0(c) |
| Percentage of total on returns showing shift-work | | | | 100.0 | 84.0 |

(c) Rounded to avoid disclosure.

Wages and salaries and employers' National Insurance contributions paid during the year
Larger establishments

| | United Kingdom | | | Great Britain | | £'000 |
|--|---------------------------|----------|--------|---------------|--------|-------|
| | 1951 | 1950 | 1949 | 1949(a) | 1948 | |
| | Wages and salaries (b) of | | | | | |
| Operatives | 72,683 | 68,589 | 72,386 | .. | 73,471 | |
| Administrative, technical and clerical employees | 11,063 | 10,369 | 10,265 | .. | 9,211 | |
| Total | 83,746 | 78,958 | 82,651 | .. | 82,682 | |
| Employers' contributions to all National Insurance Schemes | 2,150 | 2,190(c) | 2,363 | .. | 1,970 | |

- (a) Owing to the risk of disclosure of information relating to individual firms in Northern Ireland separate particulars for Great Britain cannot be given.
 (b) Including bonus and commission payments, but excluding payments to outworkers shown below.
 (c) Corrected figure.

| £'000 | | | | |
|----------------|------|------|---------------|------|
| United Kingdom | | | Great Britain | |
| 1951 | 1950 | 1949 | 1949 | 1948 |
| 5 | 1 | 1 | 1 | - |

Plant, machinery and vehicles - acquisitions and disposals, and capital expenditure on new building work

Larger establishments

| | United Kingdom | | Great Britain | | £'000 |
|---|----------------|-------|---------------|-------|-------|
| | 1951 | 1949 | 1949(a) | 1948 | |
| Plant, machinery and vehicles | | | | | |
| Acquisitions | | | | | |
| Plant and machinery (b) | | | | | |
| New | 2,131 | 1,996 | .. | 1,313 | |
| Second-hand | 103 | 281 | .. | 236 | |
| Vehicles | | | | | |
| New | 262 | 105 | .. | 130 | |
| Second-hand | 88 | 55 | .. | 63 | |
| Total acquisitions | 2,584 | 2,437 | .. | 1,742 | |
| Disposals | | | | | |
| Plant and machinery | 49 | 83 | .. | 57 | |
| Vehicles | 57 | 27 | .. | 28 | |
| Total disposals | 106 | 110 | .. | 85 | |
| New building work | | | | | |
| Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges) | 1,438 | 1,135 | .. | 801 | |

- (a) Owing to the risk of disclosure of information relating to individual firms in Northern Ireland separate particulars for Great Britain cannot be given.
 (b) Plant and machinery charged to capital account.

SHIPBUILDING AND SHIP REPAIRING TRADE

1951

Summary

Larger establishments

TABLE 18

| | England(a) | Wales | Scotland | Great Britain | Northern Ireland(a) | United Kingdom |
|--|------------------|---------------|-----------------|---------------|---------------------|------------------|
| | £' 000 | £' 000 | £' 000 | £' 000 | £' 000 | £' 000 |
| Gross output (production) | 172,365 | 5,672 | 71,078 | .. | .. | 249,116 |
| Cost of materials and fuel used | 72,844 | 1,324 | 31,408 | .. | .. | 105,576 |
| Payment for work done on materials given out | 17,263 | 626 | 14,854 | .. | .. | 32,743 |
| Transport payments | 571 | 12 | 188 | .. | .. | 772 |
| Net output | 81,687 | 3,710 | 24,628 | .. | .. | 110,025 |
| Wages and salaries of persons employed | 62,852 | 2,836 | 18,059 | .. | .. | 83,746 |
| Average number of persons employed (b) | No. 154,613 | No. 6,210 | No. 46,965 | No. .. | No. .. | No. 207,788 |
| Net output per person employed (b) | £ 528 | £ 597 | £ 524 | £ .. | £ .. | £ 530 |
| Stocks of materials and fuel at end of year | £' 000 12,027 | £' 000 481 | £' 000 3,998 | £' 000 .. | £' 000 .. | £' 000 16,506 |
| Number of establishments | No. 504 | No. 40 | No. 142 | No. .. | No. .. | No. 686 |

The value of materials and fuel used is derived in the following way:-

| | £' 000 | £' 000 | £' 000 | £' 000 | £' 000 | £' 000 |
|--|---------|--------|---------|--------|--------|---------|
| Materials and fuel used by firms in this trade | | | | | | |
| Purchases | 76,134 | 1,429 | 32,812 | .. | .. | 110,375 |
| Changes in stocks (see Table 21) | - 3,290 | - 104 | - 1,404 | .. | .. | - 4,799 |
| Materials and fuel used | 72,844 | 1,324 | 31,408 | .. | .. | 105,576 |

(a) Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland cannot be given separately and have been included with those for England.

(b) Excluding outworkers but including working proprietors.

Summary

Small firms in Great Britain (a)

TABLE 19

| | England | Wales | Scotland | Great Britain |
|--|---------|-------|----------|---------------|
| Number of returns | 339 | 13 | 58 | 410 |
| Average number of persons employed (b) | | | | |
| Males | 1,838 | 73 | 321 | 2,232 |
| Females | 141 | 3 | 29 | 173 |
| Total | 1,979 | 76 | 350 | 2,405 |

(a) Small firms in Great Britain (employing on the average ten or fewer persons) that made satisfactory returns.

(b) Including working proprietors.

(5536/1)

Selling value (or value of work done) in the trade
Larger establishments

TABLE 20

| | England and Wales | | | Scotland | | | Great Britain | | | Northern Ireland | | | United Kingdom | | |
|---|-------------------|---------------|---------------|----------|---------------|---------------|---------------|---------------|---------------|------------------|---------------|---------------|----------------|---------------|---------------|
| | No. | Gross tonnage | Selling value | No. | Gross tonnage | Selling value | No. | Gross tonnage | Selling value | No. | Gross tonnage | Selling value | No. | Gross tonnage | Selling value |
| | | Th. tons | £' 000 | | Th. tons | £' 000 | | Th. tons | £' 000 | | Th. tons | £' 000 | | Th. tons | £' 000 |
| Principal products | | | | | | | | | | | | | | | |
| I - SHIPS, ETC. WHOLLY CONSTRUCTED IN THE YEAR OF RETURN | | | | | | | | | | | | | | | |
| Vessels other than war vessels | | | | | | | | | | | | | | | |
| Steam vessels | .. | .. | (a) | .. | .. | (a) | 12 | 3.1 | 556 | - | - | - | 12 | 3.1 | 556 |
| Motor vessels | | | | | | | | | | | | | | | |
| Of 100 tons gross and over | .. | .. | (a) | .. | .. | (a) | 6 | 2.5 | 268 | - | - | - | 6 | 2.5 | 268 |
| Not exceeding 100 tons gross | | | | | | | | | | | | | | | |
| Fishing vessels | .. | .. | (a) | .. | .. | (a) | 15 | 0.2 | 31 | - | - | - | 15 | 0.2 | 31 |
| | | | | | | | 1 | .. | 7 | | | | 1 | .. | 7 |
| Other | 136 | 0.8 | 235 | 11 | 0.1 | 31 | 147 | 0.9 | 266 | - | - | - | 147 | 0.9 | 266 |
| | 126 | .. | 84 | 47 | .. | 29 | 173 | .. | 113 | | | | 173 | .. | 113 |
| | .. | .. | 89 | .. | .. | 7 | .. | .. | 96 | | | | .. | .. | 96 |
| Other vessels, not self-propelled | 174 | 2.0 | 156 | .. | .. | 2 | 174 | 2.0 | 156 | - | - | - | 174 | 2.0 | 156 |
| | 1,040 | .. | 129 | .. | .. | 38 | 1,060 | .. | 131 | | | | 1,060 | .. | 131 |
| | .. | 1.4 | 65 | .. | .. | .. | .. | 1.4 | 65 | | | | .. | 1.4 | 65 |
| | .. | .. | 146 | .. | .. | .. | .. | .. | 183 | | | | .. | .. | 183 |
| Other work of new construction, e.g., floating docks, pontoons, caissons | | | (a) | | | (a) | | | 58 | | | - | | | 58 |
| Total ships, etc. wholly constructed in year of return | | | 1,602 | | | 329 | | | 1,931 | | | - | | | 1,931 |
| II - SHIPS, ETC. COMPLETED IN THE YEAR OF RETURN BUT NOT WHOLLY CONSTRUCTED IN THAT YEAR | | | | | | | | | | | | | | | |
| Steam vessels | | | | | | | | | | | | | | | |
| Fishing vessels | .. | .. | (a) | .. | .. | (a) | 25 | 16.9 | 3,245 | - | - | - | 25 | 16.9 | 3,245 |
| Other vessels of 100 tons gross and over | | | | | | | | | | | | | | | |
| Passenger ships of all descriptions | 7 | 92.0 | 12,879(b) | 3 | 41.2 | 4,594 | .. | .. | .. | .. | .. | (b) | 10 | 133.2 | 17,473 |
| Cargo liners and cargo tramps (other than refrigerator cargo ships) | 23 | 114.6 | 9,283(b) | 9 | 42.2 | 3,497 | .. | .. | .. | .. | .. | (b) | 32 | 156.8 | 12,780 |
| Tankers | .. | .. | (a) | .. | .. | (a) | 6 | 65.4 | 4,823 | - | - | - | 6 | 65.4 | 4,823 |

SHIPBUILDING AND SHIP REPAIRING COUNTRY TABLES

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TABLE 20 (contd.)

| | England and Wales | | | Scotland | | | Great Britain | | | Northern Ireland | | | United Kingdom | | |
|---|-------------------|---------------|---------------|----------|---------------|---------------|---------------|---------------|---------------|------------------|---------------|---------------|----------------|---------------|--------------------|
| | No. | Gross tonnage | Selling value | No. | Gross tonnage | Selling value | No. | Gross tonnage | Selling value | No. | Gross tonnage | Selling value | No. | Gross tonnage | Selling value |
| | | Th. tons | £'000 | | Th. tons | £'000 | | Th. tons | £'000 | | Th. tons | £'000 | | Th. tons | £'000 |
| Principal products (contd.) | | | | | | | | | | | | | | | |
| II - SHIPS, ETC. COMPLETED IN THE YEAR OF RETURN BUT NOT WHOLLY CONSTRUCTED IN THAT YEAR (contd.) | | | | | | | | | | | | | | | |
| Steam vessels (contd.) | | | | | | | | | | | | | | | |
| Other (including war vessels/steam and motor) and vessels under 100 tons gross) | .. | .. | (a) | .. | .. | (a) | .. | .. | .. | .. | .. | (a) | 42 | .. | 17,876 201 |
| Motor vessels (excluding war vessels) | | | | | | | | | | | | | | | |
| Of 100 tons gross and over | | | | | | | | | | | | | | | |
| Passenger ships of all descriptions | .. | .. | (a) | .. | .. | (a) | 12 | 57.6 | 7,275 | - | - | - | 12 | 57.6 | 7,275 |
| Refrigerator cargo ships | .. | .. | (a) | - | - | - | .. | .. | .. | .. | .. | (a) | 4 | 34.0 | 3,335 |
| Other cargo liners and cargo tramps | 12 | 45.1 | 3,818 | 27 | 104.1 | 10,182 | 39 | 149.2 | 14,000 | - | - | - | 39 | 149.2 | 14,000 |
| Tankers | 51 | 450.5 | 30,236 (b) | 20 | 224.7 | 14,770 | .. | .. | .. | .. | .. | (b) | 71 | 675.1 | 45,006 38 |
| Fishing vessels | .. | .. | (a) | .. | .. | (a) | 3 | 1.1 | 345 | - | - | - | 3 | 1.1 | 345 |
| Other | 21 | 27.9 | 2,643 (b) | 9 | 6.4 | 1,531 | .. | .. | .. | .. | .. | (b) | 30 | 34.3 | 4,174 115 15 |
| .. | 2 | .. | 115 | .. | .. | .. | .. | .. | .. | .. | .. | .. | 2 | .. | .. |
| .. | .. | 0.1 | 15 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | 0.1 | 15 |
| Not exceeding 100 tons gross | | | | | | | | | | | | | | | |
| Fishing vessels | .. | .. | (a) | .. | .. | (a) | 5 | 0.2 | 47 | - | - | - | 5 | 0.2 | 47 |
| .. | .. | .. | .. | .. | .. | .. | 1 | .. | 5 | .. | .. | .. | 1 | .. | 5 |
| Lifeboats | .. | .. | (a) | .. | .. | (a) | 35 | 0.4 | 204 | - | - | - | 35 | 0.4 | 204 |
| .. | .. | .. | .. | .. | .. | .. | 10 | .. | 8 | .. | .. | .. | 10 | .. | 8 |
| Other | 119 | 1.6 | 561 | 38 | 0.5 | 140 | 157 | 2.2 | 701 | - | - | - | 157 | 2.2 | 701 |
| .. | 28 | .. | 72 | 1 | .. | .. | 29 | .. | 72 | .. | .. | .. | 29 | .. | 72 |
| .. | .. | .. | 4 | .. | .. | .. | .. | .. | 4 | .. | .. | .. | .. | .. | 4 |
| Other vessels, not self-propelled | | | | | | | | | | | | | | | |
| Lifeboats | .. | .. | (a) | .. | .. | (a) | 142 | 0.7 | 60 | - | - | - | 142 | 0.7 | 60 |
| .. | .. | .. | .. | .. | .. | .. | 30 | .. | 14 | .. | .. | .. | 30 | .. | 14 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. | 2 | .. | .. | .. | .. | .. | 2 |
| Sailing vessels | | | | | | | | | | | | | | | |
| Racing yachts | .. | .. | (a) | .. | .. | (a) | 6 | .. | 17 | - | - | - | 6 | .. | 17 |
| .. | .. | .. | .. | .. | .. | .. | .. | .. | 6 | .. | .. | .. | .. | .. | 6 |
| Other sailing vessels | 31 | 0.6 | 38 | 3 | - | 4 | 34 | 0.7 | 43 | - | - | - | 34 | 0.7 | 43 |
| .. | 120 | .. | 15 | .. | .. | .. | 120 | .. | 15 | .. | .. | .. | 120 | .. | 15 |
| .. | .. | .. | 5 | .. | .. | .. | .. | .. | 5 | .. | .. | .. | .. | .. | 5 |
| Other kinds | 84 | 13.0 | 664 | 17 | 2.3 | 417 | 101 | 15.3 | 1,081 | - | - | - | 101 | 15.3 | 1,081 |
| .. | 82 | .. | 11 | 7 | .. | 1 | 89 | .. | 12 | .. | .. | .. | 89 | .. | 12 |
| .. | .. | .. | 52 | .. | .. | 174 | .. | .. | 225 | .. | .. | .. | .. | .. | 225 |

Other work of new construction, e.g., floating docks, pontoons, caissons

| | | | | | |
|--|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | (a) | (a) | 404 | - | 404 |
| Total | 85,578 (b) | 48,049 | .. | (b) | 133,626 |
| Less work in progress at beginning of year | 37,898 (b) | 20,972 | .. | (b) | 58,870 |
| Total value of work done in the year on ships, etc. completed in the year but begun earlier | 47,680 (b) | 27,076 | .. | (b) | 74,756 |
| | Value of work done in the year | Value of work done in the year | Value of work done in the year | Value of work done in the year | Value of work done in the year |
| | £'000 | £'000 | £'000 | £'000 | £'000 |
| III - NEW CONSTRUCTION WORK BEGUN BEFORE OR DURING THE YEAR OF RETURN BUT NOT COMPLETED AT THE END OF THE YEAR | | | | | |
| War vessels | 8,171 (b) | 1,441 | .. | (b) | 9,611 |
| Other than war vessels | | | | | |
| Steam vessels | | | | | |
| Fishing vessels | (a) | (a) | 654 | - | 654 |
| Other vessels of 100 tons gross and over | | | | | |
| Passenger ships of all descriptions | 1,995 (b) | 2,471 | .. | (b) | 4,466 |
| Refrigerator cargo ships | (a) | (a) | 1,276 | - | 1,276 |
| Other cargo liners and cargo tramps | 4,457 (b) | 3,198 | .. | (b) | 7,655 |
| Tankers | 7,060 (b) | 1,027 | .. | (b) | 8,087 |
| Other, including vessels under 100 tons gross | 329 | 715 | 1,044 | - | 1,044 |
| Motor vessels | | | | | |
| Of 100 tons gross and over | | | | | |
| Passenger ships of all descriptions | (a) | (a) | .. | (a) | 1,393 |
| Refrigerator cargo ships | (a) | (a) | .. | (a) | 1,417 |
| Other cargo liners and cargo tramps | 3,936 (b) | 5,469 | .. | (b) | 9,405 |
| Tankers | 8,880 (b) | 5,980 | .. | (b) | 14,860 |
| Fishing vessels | (a) | (a) | 416 | - | 416 |
| Other | 448 | 923 | 1,372 | - | 1,372 |
| Not exceeding 100 tons gross | | | | | |
| Fishing vessels | (a) | (a) | 30 | - | 30 |
| Lifeboats | 126 | - | 126 | - | 126 |
| Other | (a) | (a) | 383 | - | 383 |

TABLE 20 (contd.)

| | England and Wales | Scotland | Great Britain | Northern Ireland | United Kingdom |
|--|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|
| | Value of work done in the year | Value of work done in the year | Value of work done in the year | Value of work done in the year | Value of work done in the year |
| | £'000 | £'000 | £'000 | £'000 | £'000 |
| Principal products (contd.) | | | | | |
| III - NEW CONSTRUCTION WORK BEGUN BEFORE OR DURING THE YEAR OF RETURN BUT NOT COM- PLETED AT THE END OF THE YEAR (contd.) | | | | | |
| Other than war vessels (contd.) | | | | | |
| Other vessels not self-propelled | | | | | |
| Lifeboats | (a) | (a) | 21 | - | 21 |
| Sailing vessels | (a) | (a) | 97 | - | 97 |
| Other kinds | (a) | (a) | 616 | - | 616 |
| Other work of new construction, e.g., floating docks, pontoons, caissons | (a) | (a) | 322 | - | 322 |
| Total value of new construction work done in the year on ships, etc. begun during the year or earlier but not completed at the end of the year | 38,956(b) | 24,295 | .. | (b) | 63,251 |
| IV - OTHER WORK DONE | | | | | |
| Repair and maintenance, sub-contract work and other work done in the year on ships, etc. | 82,929(b) | 17,603 | .. | (b) | 100,532 |
| V - GOODS SOLD | | | | | |
| | Selling value | Selling value | Selling value | Selling value | Selling value |
| | £'000 | £'000 | £'000 | £'000 | £'000 |
| Ships' or boats' fittings (blocks, masts, spars, oars, etc.) sold separately | 1,334 | 265 | 1,599 | - | 1,599 |
| Ships' models (for exhibition, etc. purposes, not toys) | (a) | (a) | 32 | - | 32 |
| Waste products, other than scrap metals | 41(b) | 13 | .. | (b) | 54 |
| Total principal products | (a) | (a) | .. | (a) | 242,154 |

| | | | | | |
|---|-------------------------|----------------------|--------------------|--------------------|-----------------------|
| Other output | | | | | |
| Iron and steel castings | 161 | - | 161 | - | 161 |
| Plant and machinery, and parts | 383 | 216 | 599 | - | 599 |
| Other goods | 1,288(b) | 402 | .. | (b) | 1,691 |
| Scrap metals | | | | | |
| Iron and steel | 375(b) (95,600 tons) | 145 (33,600 tons) | .. | (b) | 520 (129,300 tons) |
| | £'000 | £'000 | £'000 | | £'000 |
| Non-ferrous metals | 242(b) | 31 | .. | (b) | 273 |
| | Value of work done | Value of work done | Value of work done | Value of work done | Value of work done |
| | £'000 | £'000 | £'000 | £'000 | £'000 |
| Building and contracting work | | | | | |
| Constructional engineering | (a) | (a) | 365 | - | 365 |
| Construction, alteration, repair or maintenance | | | | | |
| Of buildings | 273 | 36 | 310 | - | 310 |
| Other (including harbours, wharfs, docks and piers) | (a) | (a) | 58 | - | 58 |
| Sub-contract work on buildings | 550(b) | 53 | .. | (b) | 603 |
| Other and unclassified repair and other work done | 1,875(b) | 507 | .. | (b) | 2,382 |
| Total | 178,037(b) | 71,078 | .. | (b) | 249,116 |

(a) Owing to the risk of disclosure of information relating to individual firms, separate particulars cannot be given.

(b) Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland cannot be given separately and have been included with those for England and Wales.

Stocks of materials and fuel

Larger establishments

TABLE 21

£'000

| | | England and Wales (a) | Scotland | Great Britain | Northern Ireland (a) | United Kingdom |
|--------------------|----------------------|-----------------------|----------|---------------|----------------------|----------------|
| Materials and fuel | at beginning of year | 9,112 | 2,594 | .. | .. | 11,707 |
| | at end of year | 12,508 | 3,998 | .. | .. | 16,506 |

(a) Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland cannot be given separately and have been included with those for England and Wales.

Employment in September

Larger establishments (a)(i)

TABLE 22

(i) Operatives

Number

| | England and Wales (c) | Scotland | Great Britain | Northern Ireland (c) | United Kingdom |
|----------|-----------------------|----------|---------------|----------------------|----------------|
| Males | | | | | 9,039 |
| Under 18 | 6,455 | 2,584 | .. | .. | 182,343 |
| All ages | 141,231 | 41,112 | .. | .. | |
| Females | | | | | 77 |
| Under 18 | 35 | 42 | .. | .. | 2,643 |
| All ages | 2,031 | 612 | .. | .. | |
| Total | | | | | 9,116 |
| Under 18 | 6,490 | 2,626 | .. | .. | 184,986 |
| All ages | 143,262 | 41,724 | .. | .. | |

(ii) Administrative, technical and clerical employees

Number

| | England and Wales (c) | Scotland | Great Britain | Northern Ireland (c) | United Kingdom |
|--------------|-----------------------|----------|---------------|----------------------|----------------|
| Males | | | | | 845 |
| Under 18 | 567 | 278 | .. | .. | 18,247 |
| All ages | 13,734 | 4,513 | .. | .. | |
| Females | | | | | 719 |
| Under 18 | 523 | 196 | .. | .. | 4,710 |
| All ages | 3,386 | 1,324 | .. | .. | |
| Total | | | | | 1,564 |
| Under 18 | 1,090 | 474 | .. | .. | 22,957 |
| All ages (d) | 17,120 | 5,837 | .. | .. | |

(iii) Total employees

Number

| | England and Wales (c) | Scotland | Great Britain | Northern Ireland (c) | United Kingdom |
|--------------|-----------------------|----------|---------------|----------------------|----------------|
| Males | | | | | 9,884 |
| Under 18 | 7,022 | 2,862 | .. | .. | 200,590 |
| All ages | 154,965 | 45,625 | .. | .. | |
| Females | | | | | 796 |
| Under 18 | 558 | 238 | .. | .. | 7,353 |
| All ages | 5,417 | 1,936 | .. | .. | |
| Total | | | | | 10,680 |
| Under 18 | 7,580 | 3,100 | .. | .. | 207,943 |
| All ages (d) | 160,382 | 47,561 | .. | .. | |

(a) Excluded employees. The number of persons employed at the larger establishments in this trade but not included in the above tables or in any other Census of Production report (employees in Great Britain engaged, for example, in merchanting and in Northern Ireland canteen and welfare workers) are shown in Table 22(v) below.

(b) Number employed in the week ended September 22, 1951.

(c) Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland cannot be given separately and have been included with those for England and Wales.

(d) Working proprietors. In addition working proprietors, shown in Table 22(iv) below, were engaged in this trade in larger establishments.

(iv) Working proprietors

Number

| | England and Wales (c) | Scotland | Great Britain | Northern Ireland (c) | United Kingdom |
|---------|-----------------------|----------|---------------|----------------------|----------------|
| Males | 62 | 33 | .. | .. | 95 |
| Females | 2 | 3 | .. | .. | 5 |
| Total | 64 | 36 | .. | .. | 100 |

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TABLE 22 (contd.)

(v) Excluded employees

Number

| | England and Wales | Scotland | Great Britain | Northern Ireland | United Kingdom |
|--------------------------|-------------------|----------|---------------|------------------|----------------|
| Canteen workers | | | | | 43 |
| Males | 29 | 14 | 43 | - | 603 |
| Females | 411 | 192 | 603 | - | |
| Total | 440 | 206 | 646 | - | 646 |
| Other workers | | | | | 1,340 |
| Males | 1,299 | 41 | 1,340 | - | 89 |
| Females | 83 | 6 | 89 | - | |
| Total | 1,382 | 47 | 1,429 | - | 1,429 |
| Total excluded employees | 1,822 | 253 | 2,075 | - | 2,075 |

Average employment

Larger establishments (a)

TABLE 23

Number

| | England and Wales (b) | Scotland | Great Britain | Northern Ireland (b) | United Kingdom |
|--|-----------------------|----------|---------------|----------------------|----------------|
| Operatives | 143,680 | 41,180 | .. | .. | 184,860 |
| Administrative, technical and clerical employees | 17,079 | 5,749 | .. | .. | 22,828 |
| Total | 160,759 | 46,929 | .. | .. | 207,688 |

Outworkers. In addition to the employees shown above the firms in this trade employed outworkers whose numbers are shown below.

| | England and Wales | Scotland | Great Britain | Northern Ireland | United Kingdom |
|---------|-------------------|----------|---------------|------------------|----------------|
| Males | 4 | - | 4 | - | 4 |
| Females | - | 10 | 10 | - | 10 |
| Total | 4 | 10 | 14 | - | 14 |

(a) For employment in small firms (employing on the average ten or fewer persons) that made satisfactory returns see Table 19.

(b) Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland cannot be given separately and have been included with those for England and Wales.

Wages and salaries and employers' National Insurance contributions paid during the year

Larger establishments

£'000

TABLE 24

| | England and Wales (a) | Scotland | Great Britain | Northern Ireland (a) | United Kingdom |
|--|-----------------------|----------|---------------|----------------------|----------------|
| Wages and salaries (b) of | | | | | 72,683 |
| Operatives | 57,273 | 15,410 | .. | .. | 11,063 |
| Administrative, technical and clerical employees | 8,414 | 2,648 | .. | .. | |
| Total | 65,687 | 18,059 | .. | .. | 83,746 |
| Employers' contributions to all National Insurance Schemes | 1,666 | 484 | .. | .. | 2,150 |

(a) Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland cannot be given separately and have been included with those for England and Wales.

(b) Including bonus and commission but excluding payments to outworkers, amounting in total to £5,000 (England and Wales, £1,000, and Scotland £4,000).

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Plant, machinery and vehicles - acquisitions and disposals,
and capital expenditure on new building work

Larger establishments

£'000

| | England and Wales (a) | Scotland | Great Britain | Northern Ireland (a) | United Kingdom |
|---|--------------------------|----------|------------------|-------------------------|-------------------|
| Plant, machinery and vehicles | | | | | |
| Acquisitions | | | | | |
| Plant and machinery (b) | 1,470 | 661 | .. | .. | 2,131 |
| New | 97 | 6 | .. | .. | 103 |
| Second-hand | | | | | |
| Vehicles | 206 | 56 | .. | .. | 262 |
| New | 75 | 12 | .. | .. | 88 |
| Second-hand | | | | | |
| Total acquisitions | 1,848 | 735 | .. | .. | 2,584 |
| Disposals | | | | | |
| Plant and machinery | 37 | 12 | 49 | - | 49 |
| Vehicles | 44 | 13 | .. | .. | 57 |
| Total disposals | 81 | 25 | .. | .. | 106 |
| New building work | | | | | |
| Capital expenditure on new building and other constructional work of a capital nature (excluding site values and development charges) | 1,260 | 178 | .. | .. | 1,438 |

(a) Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland cannot be given separately and have been included with those for England and Wales.

(b) Plant and machinery charged to capital account.

Payments for transport services for finished goods
sold and materials and fuel purchased

Larger establishments

£'000

| | England and Wales | Scotland | Great Britain | Northern Ireland | United Kingdom |
|--|----------------------|----------|------------------|---------------------|-------------------|
| Amounts paid to other firms and undertakings | 397 (a) | 165 | .. | (a) | 561 |
| Amount paid or credited to firms' own separate transport organisations | 187 | 24 | 210 | - | 210 |
| Total | 583 (a) | 188 | .. | (a) | 772 |

(a) Owing to the risk of disclosure of information relating to individual firms, particulars for Northern Ireland cannot be given separately and have been included with those for England and Wales.

GENERAL NOTES

The following brief notes refer to Great Britain and, unless otherwise stated, to the census of production for 1951. Reference should be made to the separate booklet in this series entitled 'The Report on the Census of Production for 1951: Introductory Notes' (price 1s.6d. net) for particulars of the minor differences in the Northern Ireland censuses and other details about the census of production.

Trade classification: Establishments are classified to trades according to the nature of their output. Certain products, called principal products, are identified as characteristic of the production of individual trades, the principal products for a given trade being of a similar nature or commonly associated in production. An establishment is classified to a trade if its output of principal products of that trade accounted for a greater proportion of the value of its output than did its output of principal products of any other trade.

The establishment: The basic unit for the collection of information is generally the establishment which in most cases comprises the whole of the premises under the same ownership or management at a particular address (e.g., a factory). Offices, warehouses and other ancillary places of business situated apart from the producing works are included in the return for the works.

Larger establishments and small firms: Larger establishments are those which employed more than 10 persons on the average during the year; small firms are those employing on the average 10 or fewer persons.

Working proprietors are proprietors of businesses other than limited companies, and include members of their families who work in the business without receiving fixed wages or salaries. Any persons working less than half the normal hours are excluded.

Persons employed: Administrative employees include directors other than those paid by fee only, managers, superintendents and works foremen; research, experimental, development, technical and design employees (other than operatives); draughtsmen and tracers; and travellers and office (including works office) employees. Operatives include all other classes of employees, that is, broadly speaking, all manual workers.

All these figures exclude canteen employees and persons engaged in merchandising or any other activity not covered by a firm's return who are shown separately as excluded employees.

Figures for employees include only persons on the pay-roll (that is whose National Insurance cards were held by the firm), whether full-time or part-time employees.

Outworkers, who are shown separately, are persons employed by the firm who work on materials supplied by the firm, but do not work on the premises; operatives directly employed who work out of doors (e.g., maintenance workers) and sub-contractors are not included as outworkers.

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

Capital expenditure: Expenditure on plant, machinery and vehicles relates to expenditure charged to capital account during the year of return, including transport and installation costs involved. Expenditure on new building work is similarly that charged to capital account during the year.

Materials and fuel: The cost of materials and fuel purchased includes all purchases during the year of materials for use in production and of fuel (including oil, gas, and electricity for all purposes, including heating and lighting); all packing materials, including the full cost of returnable containers when first purchased; workshop materials; office materials; water charges; materials for repairs to firms' own buildings, plant and vehicles when carried out by

their own work people included in the return; and consumable tools and parts for machinery purchased as replacement. Materials, components, etc. which were purchased and re-sold in the same state (that is, merchanted or factored goods) were excluded. For 1951 firms in many trades were required to state the quantities of certain purchased materials used.

Stocks and work in progress: Firms were instructed to give these at income tax value.

Output: 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. For all post-war censuses the value of sales was the net selling value, that is, 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.

Gross output of a trade is the total value of goods made and other work done during the year; this means the value of sales and work done during the year adjusted for changes in the values of stocks.

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

Customs and Excise Duty paid on materials purchased is included in the cost of materials, but where it is especially important separate figures are shown.

Later reports: Reports will be published later summarising the main census results and giving information about power equipment and fuel consumption.

Disclosure of information: The report has been prepared in conformity with the disclosure provisions of the Statistics of Trade Act, 1947. Figures have been combined with others of a similar nature in certain cases where publication of separate details might disclose the operations of an individual firm.

Symbols used: '..' for 'Not available', '-' for 'Nil or negligible (less than half the final digit shown)'

The figures in the tables have been rounded off to the nearest final digit, and there may be an apparent slight discrepancy between the sums of the constituent items and the totals shown.

Tables 1 to 17 show figures for the United Kingdom (or Great Britain).

Tables 18 to 26 are country tables and give, where practicable, separate details for England and Wales, Scotland and Northern Ireland.

Table 6: Specialist producers refer to those establishments 50 per cent. or more of whose total output by value is accounted for by the groups of products specified.

Table 8 (or 8(i)) shows the total sales of principal products of the trade, and includes therefore the sales of these products returned by establishments whether classified to the trade or to other trades. Those produced by establishments in other trades are shown in Table 9.

Table 10 shows the sales by establishments in the trade of products other than those regarded as principal products of the trade.

Table 20 (or 20(i)) shows sales by establishments in the trade of products, whether principal products or not, and broadly the aggregates here are equal to the corresponding figures in Table 8 (or 8(i)) less those in Table 9, plus those in Table 10.

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