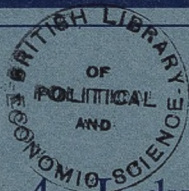


BOARD OF TRADE

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*The Report on the  
Census of Production  
for 1954*



Volume 4: Industry 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)*

LONDON: HER MAJESTY'S STATIONERY OFFICE

1958

PRICE 1s 9d NET



# The Report on the Census of Production for 1954

## VOLUME 4 INDUSTRY A

### SHIPBUILDING AND SHIP REPAIRING

THIS REPORT on the Shipbuilding and Ship Repairing Industry 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 Industry (Volume 4, Industry B).

The output of the establishments making returns in this industry 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 industry corresponds to minimum list heading 50 in the Standard Industrial Classification.

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

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The following notes describe terms in general use in the tables of the report. More detailed explanations of the terms used and a description of the scope and method of taking the census are given in the separate booklet entitled 'The Report on the Census of Production for 1954 - Introductory Notes' (price 1s. 6d. net).

**Industrial Classification:** Establishments are classified to industries according to the nature of their output and, as far as possible, in conformity with the Standard Industrial Classification. Certain products are identified as the principal products of individual industries, the principal products for a given industry being of a similar nature or commonly associated in production. The principle of classification normally followed is that an establishment is classified to an industry if its output of the principal products of that industry accounted for a greater proportion of the value of its output than did its output of the principal products of any other industry.

**Specialist producers** normally comprise those establishments 50 per cent. or more of whose total output by value is accounted for by the characteristic products of the specialist group.

**Intermediate products:** For some industries figures are given showing the total quantities made during the year of intermediate products, i.e., products which may be further processed in the establishments in which they are produced.

**Larger establishments:** The information given in the report relates mainly to 'larger establishments', i.e., establishments of firms employing on the average more than 10 persons. In most cases an establishment comprises the whole of the premises under the same ownership or management at a particular address (e.g., a mine or factory). Offices, warehouses, laboratories and other ancillary places of business situated apart from the producing works are not regarded as separate establishments and are included in the return for the works.

**Small firms** are those employing on the average 10 or fewer persons.

The estimates for the industry as a whole given in Table 1 are normally obtained by increasing the other items shown in the same proportion as total employment.

**Gross output (production)** is the total value of goods made and other work done during the year; it is obtained by adjusting the value of sales and work done during the year for changes in the value of stocks of products on hand for sale and work in progress.

**Net output** is the amount left after deducting from the value of gross output the aggregate of the cost of materials and fuel used, the amount paid for work given out, and, for 1951 and 1954, any transport payments made. This represents the value added to materials by the process of production, and constitutes the fund from which wages, salaries, rents, rates and taxes, advertising and other selling expenses and all other similar charges have to be met, as well as depreciation and profits.

**Sales** means sales during the year of goods made in the establishment covered by the return or made on commission for it, whether produced in the year or not. The value of sales is the net selling value, i.e., the amount charged to customers, whether on an ex-works or delivered basis, and net of any trade discounts, agents' commissions, allowances for returnable cases, purchase tax, etc. For goods charged on a delivered basis to customers overseas, firms were required to give the f.o.b. value.

**Materials and fuel:** The total cost of materials and fuel purchased includes all purchases during the year of materials for use in production, and of fuel (includ-

ing oil, gas and electricity) for all purposes; packing materials, including the full cost of returnable cases when first purchased; workshop and office materials; water charges; materials for repairs to buildings, plant and vehicles when carried out by firms' own work-people included in their returns; consumable tools; and parts for machinery purchased as replacements. Purchases of goods for merchanting are excluded. The cost of materials and fuel used, given in Table 2, is obtained by adjusting purchases for changes during the year in the value of stocks.

**Stocks:** Firms were required to give stocks of materials and fuel, products on hand for sale, and work in progress, at income tax values.

**Customs and Excise Duty** paid on materials purchased is normally included in the cost of materials. Finished goods are similarly valued as they were sold, duty-paid or duty-free. The net amount of any duty paid is deducted in arriving at net output.

**Employment:** Total employment includes working proprietors, administrative, technical and clerical employees, and operatives, but excludes outworkers, canteen employees and persons engaged in merchanting or any other activity not covered by a firm's return, who are shown separately as excluded employees. Employees are persons on the pay-roll (i.e., persons whose National Insurance cards were held by employers), whether employed full-time or part-time.

**Working proprietors** are proprietors of businesses other than limited companies, together with members of their families who worked in the business without receiving fixed wages or salaries. Any persons working less than half the normal hours are excluded. For Northern Ireland directors of limited companies (other than those paid by fee only) are also included.

**Administrative, technical and clerical employees** include directors, other than those paid by fee only (except in Northern Ireland); managers, superintendents and works foremen; research, experimental, development, technical and design employees (other than operatives); draughtsmen and tracers; travellers; and office (including works office) employees.

**Operatives** include all other classes of employees, i.e., broadly speaking, all manual workers.

**Outworkers** are persons employed by the firm who work on materials supplied by the firm in their own homes.

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

**Capital expenditure** includes expenditure on new building work, and on plant, machinery and vehicles, charged to capital account during the year, including any transport and installation costs involved. It includes expenditure in respect of establishments in Great Britain which had not begun production before the end of the year (which has not previously been included in the Census of Production reports for individual industries).

**Symbols used:**

.. for not available

- for nil or negligible (less than half the final digit shown).

Where figures are rounded, e.g., given to the nearest £ thousand, there may be apparent slight discrepancies between the sums of constituent items and the totals shown. In some cases, figures have been combined with others of a similar nature where publication of separate details might disclose information relating to an individual undertaking.

Industry summary  
Estimates for the industry as a whole

TABLE 1

	United Kingdom			Scotland 1954	Wales 1954
	1948	1951	1954		
	£ million	£ million	£ million	£ million	£ million
Gross output (production)	253.6	252.4	315.5	88.79	6.85
Net output	123.7	111.5	143.0	30.70	4.51
Total stocks and work in progress					
At beginning of year	9.8	11.9	17.9	4.36	0.53
Change during year	+ 1.9	+ 4.9	- 2.2	- 0.71	- 0.02
Capital expenditure less disposals (a)	2.7	4.0	5.6	1.27	0.66
Wages and salaries	89.3	84.8	110.2	23.61	3.49
Total employment (including working proprietors)	Thousands 249.8	Thousands 210.5	Thousands 221.4	Thousands 48.90	Thousands 6.32

(a) Capital expenditure on new building work, plant, machinery and vehicles (including (except in 1948) that incurred in Great Britain for establishments not yet in production), less amounts received for plant, machinery and vehicles disposed of.

## Summary of returns received

TABLE 2

	Unit	Great Britain 1948	United Kingdom	
			1951	1954
<b>FIRMS EMPLOYING ON AVERAGE MORE THAN 10 PERSONS</b>				
Number of establishments	No.	678	686	676
Gross output (production), i.e., value of work done and goods sold	£'000	235,174	249,116	310,679
Purchases of materials and fuel	..	93,123	110,375	132,733
Stocks of materials and fuel	..	9,071	11,707	17,655
Cost of materials and fuel used	..	1,735	4,799	2,193
Payment for work done on materials given out	..	91,388	105,576	134,927
Payment for transport (a)	..	28,894	32,743	33,987
Net output	..	306	772	978
Average number of employees	No.	114,586	110,025	140,787
Total employment (c)	..	208,946	184,860	193,477
Net output per person employed (c)	£	22,297 (b)	22,828	24,446
Wages and salaries	£'000	231,374	207,788	218,006
Capital expenditure	..	495	530	646
New building work (d)	..	73,471	72,683	94,078
Plant and machinery	..	9,211	11,063	14,380
Vehicles	..	801	1,438	2,544
Plant and machinery	..	1,549	2,234	2,813
Vehicles	..	57	49	121
Plant and machinery	..	193	350	294
Vehicles	..	28	57	77
<b>FIRMS EMPLOYING ON AVERAGE 10 OR FEWER PERSONS</b>				
Number of returns	No.	370	410 (e)	435
Total employment, including working proprietors	..	2,178	2,405 (e)	2,550

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

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

(c) Excluding outworkers and including working proprietors.

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

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



## SHIPBUILDING AND SHIP REPAIRING

Analysis by size, 1954

Larger establishments in the United Kingdom

TABLE 3

Average number employed (a)	Estab-lish-ments	Gross output	Net output	Employees		Wages and salaries		Capital expenditure (b)	Net output per person employed (a)
				Operatives	Others	Operatives	Others		
	Number	£'000	£'000	Number	Number	£'000	£'000	£'000	£
11 - 24(c)	146	2,349	1,355	1,983	301	868	157	41	584
25 - 49	146	5,734	3,318	4,537	630	2,083	361	116	639
50 - 99	120	9,579	5,627	7,464	1,049	3,485	625	264	660
100 - 199	89	15,292	8,991	11,169	1,380	5,372	842	531	716
200 - 299	49	17,043	8,339	10,603	1,271	5,276	706	376	702
300 - 399	19	8,699	4,728	5,850	783	3,008	486	104	713
400 - 499	16	8,309	5,086	6,342	793	3,287	515	326	713
500 - 749	31	24,838	13,045	16,542	1,798	8,399	1,133	637	711
750 - 999	13	19,451	6,913	9,982	1,292	5,135	766	359	613
1,000 - 1,499	18	39,916	15,591	19,350	2,307	9,422	1,322	782	720
1,500 - 1,999	9	29,727	9,742	13,328	1,786	6,270	1,039	478	645
2,000 - 2,499	5	13,124	7,350	9,995	1,097	5,476	648	874	663
2,500 - 2,999	4	17,641	8,048	9,610	1,336	5,621	802	255	735
3,000 - 3,999	4	24,643	10,177	11,979	1,828	5,330	1,001	174	737
4,000 or over	7	74,332	32,477	54,743	6,795	25,045	3,975	336	528
Total	676	310,679	140,787	193,477	24,446	94,078	14,380	5,651	646

(a) Excluding outworkers and including working proprietors.

(b) Capital expenditure on new building work and on acquisition of plant, machinery and vehicles excluding expenditure for establishments not yet in production.

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

TABLE 4 - Analysis according to specialisation within the industry, 1954

Larger establishments in the United Kingdom

No specialisation within this industry was distinguished.

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 industries

Larger establishments in the United Kingdom

TABLE 5

	1951			1954			Entries
	No.	Displace-ment tonnage	Selling value	No.	Displace-ment tonnage	Selling value	
		Th. tons	£'000		Th. tons	£'000	Number
I - SHIPS, ETC. WHOLLY CONSTRUCTED IN THE YEAR OF RETURN							
War vessels		-	-	..	..	1,310	15
Vessels other than war vessels							
Steam vessels	12	3.1	556	-	-	-	
Motor vessels							
Of 100 tons gross and over	6	2.5	268	6 5	2.6 ..	318 162	6

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## SHIPBUILDING AND SHIP REPAIRING

TABLE 5 (contd.)

	1951			1954			Entries
	No.	Gross tonnage	Selling value	No.	Gross tonnage	Selling value	
		Th. tons	£'000		Th. tons	£'000	Number
I - SHIPS, ETC. WHOLLY CONSTRUCTED IN THE YEAR OF RETURN (contd.)							
Vessels other than war vessels (contd.)							
Motor vessels (contd.)							
Not exceeding 100 tons gross							
Fishing vessels	15 1	0.2 ..	31 7	10 ..	0.4 ..	109 71 97	12
Other	153 283 ..	1.1 .. ..	348 223 96	19 44 ..	0.1 .. 0.2	47 183 293 235	49
Other vessels, not self propelled	174 1,122 .. ..	2.0 .. 1.4 ..	156 239 65 302	139 .. ..	.. 1.2 ..	100 431 809	60
Other work of new construction, e.g., floating docks, pontoons, caissons			69			373	17
Total ships, etc. wholly constructed in the year of return			2,359			4,538	..
II - SHIPS, ETC. COMPLETED IN THE YEAR OF RETURN BUT NOT WHOLLY CONSTRUCTED IN THAT YEAR							
War vessels			(a)	..	..	22,887	34
Vessels other than war vessels							
Steam vessels							
Of 100 tons gross and over							
Passenger ships of all descriptions	10	133.2	17,473	4	80.3	15,645	..
Refrigerator cargo ships		(b)	(b)	..	15.8	1,674	..
Other cargo liners and cargo tramps	32	156.8	12,780	18	130.1	15,435	10
Tankers	6	65.4	4,823	25 ..	330.4 12.1	28,405 1,195	16
Other (including fishing vessels)	25 42 ..	16.9 .. ..	3,245 17,876(c) 201(c)	26 3	35.9 ..	5,387 632	17
Motor vessels							
Of 100 tons gross and over							
Passenger ships of all descriptions	12	57.6	7,275	4	16.3	2,221	..
Refrigerator cargo ships	4	34.0	3,335	5 1	27.1 ..	4,163 21	6
Other cargo liners and cargo tramps	39	149.2	14,000	50 11 ..	246.0 .. 7.8	29,357 2,883 656	31
Tankers	71 ..	675.1 ..	45,006 38	34 3 ..	361.1 .. 47.2	30,118 93 3,787	23
Fishing vessels	3	1.1	345	14	4.4	1,253	5
Other	30 2 ..	34.3 .. 0.1	4,174 115 15	15	52.3	5,649	15

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TABLE 5 (contd.)

	1951			1954			Entries
	No.	Gross tonnage	Selling value	No.	Gross tonnage	Selling value	
		Th. tons	£'000		Th. tons	£'000	Number
<b>II - SHIPS, ETC. COMPLETED IN THE YEAR OF RETURN BUT NOT WHOLLY CONSTRUCTED IN THAT YEAR (contd.)</b>							
Vessels other than war vessels (contd.)							
Motor vessels (contd.)							
Not exceeding 100 tons gross							
Fishing vessels	5	0.2	47	4	..	26	5
	1	..	5	..	..	68	
Lifeboats	35	0.4	204	16	..	38	12
	10	..	8	..	..	309	
Other	157	2.2	701	54	..	416	30
	29	..	72	..	..	521	
Other vessels not self-propelled							
Lifeboats	142	0.7	60	45	..	10	7
	30	..	14	..	..	46	
Sailing vessels including those with auxiliary engines							
Racing yachts	6	..	17	11	..	16	11
	..	..	6		..	0.6	
Other sailing vessels	34	0.7	43	..	..	11	
	120	..	15	..	..	..	
	..	..	5	..	..	..	
Other kinds	101	15.3	1,081	20	3.5	458	30
	89	..	12	83	..	279	
	..	..	225	..	0.1	479	
	..	..	..	..	..	676	
Other work of new construction, e.g., floating docks, pontoons, caissons							
			404			967	15
Total value of ships, etc. completed in the year of return but not wholly constructed in that year							
			133,626			175,855	
Less work in progress at the beginning of the year							
			58,870			89,999	
Total value of work done in the year of return on ships, etc. completed but not wholly constructed in that year							
			74,756			85,856	..
Value of work done in the year							
Value of work done in the year							
£'000							
£'000							
<b>III - NEW CONSTRUCTION WORK BEGUN BEFORE OR DURING THE YEAR OF RETURN BUT NOT COMPLETED AT THE END OF THE YEAR</b>							
War vessels		9,611		21,054			59
Other than war vessels							
Steam vessels							
Fishing vessels		654		177			..
Other vessels of 100 tons gross and over							
Passenger ships of all descriptions		4,466		7,943			12
Refrigerator cargo ships		1,276		149			..
Other cargo liners and cargo tramps		7,655		7,918			22
Tankers		8,087		19,343			19
Other		1,044(d)		2,795			16

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TABLE 5 (contd.)

	1951		1954	
	Value of work done in the year	Value of work done in the year	Value of work done in the year	Entries
	£'000	£'000	£'000	Number
<b>III - NEW CONSTRUCTION WORK BEGUN BEFORE OR DURING THE YEAR OF RETURN BUT NOT COMPLETED AT THE END OF THE YEAR (contd.)</b>				
Other than war vessels (contd.)				
Motor vessels				
Of 100 tons gross and over				
Passenger ships of all descriptions	1,393	1,409		9
Refrigerator cargo ships	1,417	1,807		5
Other cargo liners and cargo tramps	9,405	19,391		38
Tankers	14,860	11,830		25
Fishing vessels	416	1,052		8
Other	1,372	2,629		25
Not exceeding 100 tons gross				
Fishing vessels	30	47		6
Lifeboats	126	129		8
Other	383	290		32
Other vessels, not self-propelled				
Lifeboats	21	21		7
Sailing vessels including those with auxiliary engines				
Racing yachts	(b)	14		..
Other sailing vessels	97	26		9
Other kinds	616	807		25
Other work of new construction, e.g., floating docks, pontoons, caissons				
	322	744		17
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	99,575		..
<b>IV - OTHER WORK DONE</b>				
Sub-contract, etc. work done on new vessels (e)				
Insulation (not electrical) and similar work	1,595	1,521		17
Electrical and like work	614	1,193		11
Deck and flooring work	475	589		8
Heating, ventilating, etc. work	293	768		7
Painting of vessels		34		..
Other sub-contract work	1,123	2,601		18
Repair and maintenance work done in the year on ships				
War vessels	26,087	34,081		162
Other vessels and floating docks, pontoons, caissons, etc.	67,345	68,885		472
Unclassified	5,299	2,281		44
Other work done	949	1,954		135
<b>V - GOODS SOLD</b>				
Ships' or boats' fittings (blocks, masts, spars, oars, etc.), sold separately and ships' models (for exhibition, etc. purposes, not toys) (f)				
	1,839	2,778		114
Waste products, other than scrap metals (f)				
	54	87		92
Total	246,039	306,740		..
Selling value or value of work done in other industries (see Table 6)				
	3,885	2,728		..
Principal products of this industry (selling value or value of work done) by establishments in the industry				
	242,154	304,013		604

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

(b) Not separately recorded.

(c) Including war vessels (steam and motor) and vessels under 100 tons gross.

(d) Including vessels under 100 tons gross.

(e) So far as separately recorded.

(f) Selling value.

(88231)



## SHIPBUILDING AND SHIP REPAIRING

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

Larger establishments in the United Kingdom

TABLE 6

	1954				Principal industries in which produced (a)
	No.	Gross tonnage	Selling value	Entries	
		Th. tons	£'000	Number	
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					
Motor and other vessels (including not self-propelled)	..	..	519	6	3I, 4I
Other work of new construction, e.g. floating docks, pontoons, caissons	..	..	215	..	4I, 10A
Ships' or boats' fittings sold separately	..	..	693	11	4I, 4K, 5C, 5D
			Value of work done		
			£'000		
Repair and maintenance, sub-contract work and other work done in the year on ships, etc.			1,300	34	
Total			2,728	..	

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

Selling value (or value of work done) in the industry of other than principal products  
Larger establishments in the United Kingdom

TABLE 7

	1954	
	Quantity	Selling value
	Th. tons	£'000
Iron and steel castings	..	186
Plant and machinery, and parts	..	654
Other goods	..	1,364
Scrap metals		
Iron and steel	122.9	683
Non-ferrous metals	..	220
		Value of work done
		£'000
Building and contracting work		817
Constructional engineering		177
Construction, alteration, repair or maintenance		111
Of buildings		734
Other (including harbours, wharfs, docks and piers)		
Sub-contract work on buildings		
Other work done, including repair, of a type not normally associated with shipbuilding		1,721
Total		6,666

TABLE 8 - Total make of intermediate products

Larger establishments in the United Kingdom

This table is not applicable to the industry.

## SHIPBUILDING AND SHIP REPAIRING

Purchases of materials and fuel, 1954

Larger establishments in the United Kingdom

TABLE 9

	Quantity	Cost
	Th. tons	£'000
Materials		
Drop forgings of iron and steel	1.4	143
Chains and chain cable of iron and steel excluding power transmission and conveyor chains	..	27
Wrought tubes and fittings for wrought tubes of iron and steel	8.4	806
Iron	21.5	1,638
Castings in the rough or machined	..	244
Other descriptions of iron not specified above except finished parts	10.0	710
Steel	..	213
Angles, sections, shapes, bars, rods, girders, beams and joists (not fabricated)	1.6	47
Forgings except drop forgings	..	47
Tin-, terne- and black-plates and tin- and terne-sheets	151.5	4,918
Other sheets and plates 1/8in. thick and over and hoop and strip (including tape) of all thicknesses	3.6	651
Other sheets and plates under 1/8in. thick including electrical sheets	..	109
Castings in the rough or machined	0.5	29
Wire, including cables and rope	..	3
Bolts, nuts, screws, washers, nails, rivets and tacks, etc.	531.2	17,456
Aluminium and aluminium alloys in all forms, except finished parts and scrap	4.0	205
Brass in all forms, except finished parts and scrap	4.2	710
Copper in all forms, except finished parts and scrap	5.2	573
Lead and alloys of lead in all forms, except finished parts and scrap	..	284
Ships bottom compositions	17.4	1,217
Paint, enamel and varnish, including emulsion paints, cellulose based paints and lacquers	..	417
Composition for deck sheathing	3.6	1,147
Timber	..	241
Hardwood	1.7	505
Softwood	..	70
Plywood (including battenboard, blockboard and laminboard)	1.7	650
Cork in all forms	..	99
Propelling machinery, complete	0.3	51
Internal combustion (including engine and boiler room auxiliaries)	..	19
1,500 B.H.P. and less	Th.cwt.	
Exceeding 1,500 B.H.P.	16.9	128
	..	36
	137.1	1,197
	..	358
	Th. tons	
	0.7	48
	..	301
	Th. cu. ft.	
	1,403.0	2,105
	4,522.6	2,938
	Th. sq. ft.	
	11,022.7	1,314
	Th. cwt.	
	17.5	77
	..	232
	No.	
	2,353	1,957
	95	18,890



TABLE 9 (contd.)

	Quantity	Cost
	No.	£'000
Materials (contd.)		
Propelling machinery, complete (contd.)		
Steam turbines (including engine and boiler room auxiliaries)	40	11,847
Steam reciprocating machinery (including engine and boiler room auxiliaries)	985	1,855
Marine boilers	82	1,956
Pumps	2,541	1,060
Screw propellers	..	149
Valves for controlling liquids and gases	799	419
Ball and roller bearings	..	923
Ships' boats (lifeboats, etc.)	743	547
Radio communication and navigational aid (including radar equipment)	..	101
Other scientific instruments and parts	..	288
Finished plastics components and fittings	..	232
Components, not elsewhere specified	..	250
Replacement parts for firms' own machinery, plant and vehicles	..	11,535
Consumable tools	..	895
Unclassified	..	944
All other purchased materials	..	14,257
Fuel and electricity	Th. tons	
Coal	112.5	483
Coke	58.0	327
Liquid fuel (including creosote/pitch mixtures)		
For use in internal combustion engines	Th.gal.	
Motor spirit (petrol) for use in road vehicles and deriv. fuel	1,602.0	297
Other	..	33
For burning in furnaces, boilers, kilns, etc.	1,543.0	108
Gas purchased	Th.therms	
From Gas Boards	5,492.1	235
From other sources	3,500.8	169
Electricity purchased (a)	Th.kWh.	
From Electricity Boards	8.2	1
From other sources	..	30
All other purchased fuel	..	30
Unclassified	..	360
Total		132,733

(a) The total quantity of electricity generated in firms own establishments in this industry in 1954 was 15,080 Th.kWh.

Average number of employees and wages, salaries and superannuation payments (a)

Larger establishments in the United Kingdom

TABLE 10

	1951	1954
	Number	Number
Average number of employees		
Operatives	184,860	193,477
Administrative, technical and clerical employees	22,828	24,446
Total	207,688	217,923
Wages and salaries paid to	£'000	£'000
Operatives	72,683	94,078
Administrative, technical and clerical employees	11,063	14,380
Total	83,746	108,458
Wages and salaries per head	£	£
Operatives	393	486
Administrative, technical and clerical employees	485	588
Superannuation and other pension funds for employees and dependents (b)		£'000
Employers' contributions	..	804
Employees covered	..	Number 31,092
Pension, etc. payments to former employees and dependents (b)	..	£'000 146

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

	1951	1954
	Number	Number
Canteen workers		
Male	43	26
Female	603	413
Total	646	439
Other workers		
Male	1,340	905
Female	89	151
Total	1,429	1,056
Total excluded employees	2,075	1,495

(b) The figures given relate to larger establishments in Great Britain only.

Employment in a specified week (a)  
Larger establishments in the United Kingdom

TABLE 11

	1951			1954		
	Males	Females	Total	Males	Females	Total
	Working proprietors	95	5	100	79	4
Operatives	191,382	2,720	194,102	190,421	1,860	192,281
Administrative, technical and clerical employees	19,092	5,429	24,521	19,374	5,046	24,420
Total employees	210,474	8,149	218,623	209,795	6,906	216,701

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



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