



BOARD OF TRADE

THE REPORT
on the
CENSUS OF PRODUCTION
FOR 1949

VOLUME 3
Metal Manufacture and Vehicles

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in pursuance of the Statistics of Trade Act, 1947
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The Report on the Census of Production for 1949

Volume 3. Metal Manufacture and Vehicles

In interpreting the data in the following tables, it is essential to bear in mind not only the qualifications mentioned in this report, but also the general explanations and qualifications contained in the separate booklet published in this series entitled "The Report on the Census of Production for 1949: Introductory Notes," price 9d. net.

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Table No.	Trade	Standard Industrial Classification minimum list heading	Activities in which establishments in the trade are wholly or mainly engaged	Page
1-A	A Blast Furnaces	40	Iron smelting and the manufacture of pig-iron, ferro-manganese and spiegeleisen	3/2
1-B	B Iron and Steel (Melting and Rolling) ...	41	The production of ferro-alloys not made in blast furnaces; of refined pig-iron; of puddled and wrought iron; and of steel ingots, steel castings and rolled steel products. The production of tubes, sheets and tinplate is excluded, but the production of material for conversion into these products is included	3/2
1-C	C Iron Foundries	42	The manufacture of cast iron goods of all descriptions	3/3
1-D	D Steel Sheets	43 (1)	The rolling from the bar or slab of steel sheets and the production of coated sheets including galvanized sheets (flat or corrugated)	3/3
1-E	E Tinplate	43 (2)	The rolling from the bar or slab of tin-, terne-, and blackplate and the production of tinned sheets and terne sheets	3/4
1-F	F Wrought Iron and Steel Tubes ...	44	The manufacture of tubes (including fittings) for boilers, cycles, bedsteads, etc., metal conduits, gas cylinders and pressure vessels. Melting and rolling in integrated works and the manufacture of flexible tubes are included	3/4
1-G	G Non-Ferrous Metals (Smelting, Rolling, etc.)	49	The manufacture of non-ferrous metals (other than precious metals) from the preliminary stage. The production of goods advanced beyond the semi-finished stage is not included but is dealt with in the reports on other trades, e.g. Brass Manufactures; Wire; Hardware, Hollow-ware, etc.	3/5
1-H	H Scrap Metal	99 (8) and 241 (1)	The processing of and/or dealing in scrap iron, scrap steel and non-ferrous scrap metals. This trade was not covered for 1949 in Great Britain	
1-I	I Motor Vehicles and Cycles (Manufacturing)	80 and 83 (part)	The manufacture of motor vehicles and cycles, including parts and accessories other than electrical equipment, transmission chains and springs	3/5
1-J	J Motor Vehicles and Cycles (Repairing)	81 (1) and 81 (2)	The repair of motor vehicles and cycles for the trade, including the repair establishments of firms and of transport undertakings which were similarly engaged in work on their own vehicles (other than establishments solely engaged in routine maintenance work)	3/6
1-K	K Aircraft Manufacture and Repair ...	82 and 83 (part)	The manufacture and repair of complete aircraft (including gliders, airships and balloons) and frames, and of engines of all types, propellers, undercarriages, and other parts and accessories (except electrical equipment)	3/6
1-L	L Railway Locomotive Shops and Locomotive Manufacturing (1) Railway Locomotive Shops (2) Other Locomotive Manufacturers	84 85	The manufacture of locomotives, railway signals, turntables, automatic couplings and brake gear (including repair work other than light repairs carried out in running sheds), steam traction engines, steam wagons and road rollers	3/7
1-M	M Railway Carriages and Wagons and Trams (1) Railway establishments (2) Other establishments	86(1) 86(2)	The manufacture and repair of railway coaches, wagons, etc., tramcars, colliery tubs, trams and trucks, etc. In 1935, the activities of all railway establishments engaged on production work, i.e. civil engineering work on railway property, the manufacture and repair of locomotives, carriages, wagons and railway equipment for the permanent way, and all miscellaneous manufacturing, were included in a single report	3/8
1-N	N Carts, Perambulators, etc.	89	The manufacture and repair of horse-drawn carts, carriages and wagons, and of hand-trucks, wheelbarrows, perambulators, pushchairs, bathchairs, etc. (including the manufacture of parts such as wheels and axles) ...	3/9

Table 2.—Employment in larger establishments. Numbers employed in week ended September 24, 1949 Page 3/10
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Table 1—M Railway Carriages and Wagons and Trams Trade
(1) Railway Establishments

	Unit	1949					1948	1935	
		England	Wales	Scotland	Great Britain	Northern Ireland	United Kingdom	Great Britain	United Kingdom
Establishments employing on average more than 10 persons ...	No.	292	23	83	398	(o)	398(o)	404	(u)
Total value of sales and work done (v) ...	£'000	40,527	637	4,432	45,596	..	45,596	42,412	..
Stocks of finished goods { at beginning of year (w) ...	..	2,647	1	67	2,715	..	2,715	2,329	..
and work in progress { at end of year (w) ...	..	2,869	1	92	2,962	..	2,962	2,715	..
Payment for transport by other firms ...	..	..	..	..	..	..	..	..	..
Gross output (production) (v) ...	..	40,749	637	4,457	45,843	..	45,843	42,799	15,700
Purchases of materials and fuel ...	..	21,533	239	1,452	23,224	..	23,224	23,653	..
Stocks of mater- f at beginning of year ...	..	12,957	15	1,626	14,598	..	14,598	11,355	..
ials and fuel { at end of year ...	..	13,225	15	1,490	14,730	..	14,730	14,598	..
Cost of materials and fuel used ...	..	21,264	239	1,588	23,091	..	23,091	20,410	5,400
Payment for work done on materials given out ...	..	61	..	1	62	..	62	85	..
Net output ...	..	19,424	397	2,868	22,689	..	22,689	22,303	10,300
Average number employed { operatives ...	No.	43,697	939	5,817	50,453	..	50,453	49,906	..
other workers ...	..	4,238	75	374	4,687	..	4,687	4,642	..
Working proprietors ...	..	..	..	..	..	..	..	..	..
Total employment including working proprietors ...	..	47,935	1,014	6,191	55,140	..	55,140	54,548	54,500
Net output per person employed ...	£	405	392	463	411	..	411	409	190
Wages and salaries (d) { of operatives ...	£'000	15,092	311	2,137	17,541	..	17,541	17,021	..
of other workers ...	..	1,629	32	152	1,813	..	1,813	1,734	..
Capital expenditure on new buildings ...	..	69	..	2	71	..	71	92	..
Plant and machinery { new acquisitions ...	..	320	1	64	386	..	386	309	..
second-hand acquisitions ...	..	1	..	..	1	..	1	19	..
disposals ...	..	10	..	..	10	..	10	12	..
Vehicles { new acquisitions ...	..	3	..	..	3	..	3	9	..
second-hand acquisitions ...	..	..	..	..	..	..	..	..	..
disposals ...	..	..	..	..	..	..	..	3	..
Firms employing on average 10 or fewer : number of returns ...	No.	..	..	..	..	(o)	(o)	..	..
Average number employed (including working proprietors) ...	..	..	..	..	..	..	..	..	..
All firms (including those not making satisfactory returns) : estimated average employment ...	..	47,935	1,014	6,191	55,140	(o)	55,140(o)	54,548	..

(2) Other Establishments

	Unit	1949	1948	1935
Establishments employing on average more than 10 persons ...	No.	242	79	26
Total value of sales and work done ...	£'000	35,074	3,477	3,695
Stocks of finished goods { at beginning of year ...	..	7,477	188	1,381
and work in progress { at end of year ...	..	6,433	169	1,757
Payment for transport by other firms ...	..	252	12	23
Gross output (production) ...	..	33,778	3,446	4,048
Purchases of materials and fuel ...	..	18,165	1,760	2,244
Stocks of mater- f at beginning of year ...	..	4,091	448	513
ials and fuel { at end of year ...	..	3,885	537	281
Cost of materials and fuel used ...	..	18,371	1,670	2,475
Payment for work done on materials given out ...	..	96	1	8
Net output ...	..	15,311	1,775	1,564
Average number employed (i) { operatives ...	No.	25,110	2,453	2,756
other workers ...	..	3,472	380	436
Working proprietors ...	..	8	2	1
Total employment including working proprietors (i) ...	..	28,590	2,835	3,193
Net output per person employed (i) ...	£	536	626	490
Wages and salaries (d)(i) { of operatives ...	£'000	8,837	820	868
of other workers ...	..	1,421	146	196
Capital expenditure on new buildings ...	..	125	14	9
Plant and machinery { new acquisitions ...	..	290	18	22
second-hand acquisitions ...	..	28	2	2
disposals ...	..	41	..	1
Vehicles { new acquisitions ...	..	35	4	5
second-hand acquisitions ...	..	16	2	..
disposals ...	..	14	..	14
Firms employing on average 10 or fewer : number of returns ...	No.	24	4	8
Average number employed (including working proprietors) ...	..	123	32	41
All firms (including those not making satisfactory returns) : estimated average employment ...	..	28,713	2,867	3,234

(For notes see page 3/11.)

Table 1—N Carts, Perambulators, etc. Trade

	Unit	1949					1948	1935	
		England	Wales	Scotland	Great Britain	Northern Ireland	United Kingdom	Great Britain	United Kingdom
Establishments employing on average more than 10 persons ...	No.	95(j)	4	8	(f)	(j)(k)	107	100	121
Total value of sales and work done ...	£'000	6,987	65	224	..	..	7,276	7,258	..
Stocks of finished goods { at beginning of year ...	..	338	4	3	..	..	345	312	..
and work in progress { at end of year ...	..	331	4	6	..	..	341	366	..
Payment for transport by other firms ...	..	95	..	6	..	..	100	96	..
Gross output (production) ...	..	6,886	65	221	..	..	7,172	7,215	2,261
Purchases of materials and fuel ...	..	3,580	31	145	..	..	3,756	3,953	..
Stocks of mater- f at beginning of year ...	..	954	10	15	..	..	979	847	..
ials and fuel { at end of year ...	..	844	6	20	..	..	870	949	..
Cost of materials and fuel used ...	..	3,690	35	140	..	..	3,865	3,851	1,163
Payment for work done on materials given out ...	..	93	..	1	..	..	94	106	8
Net output ...	..	3,103	30	81	..	..	3,213	3,258	1,090
Average number employed (i) { operatives ...	No.	6,010	69	216	..	..	6,295	6,289	5,444
other workers ...	..	951	15	36	..	..	1,002	965	709
Working proprietors ...	..	30	2	8	..	..	40	32	..
Total employment including working proprietors (i) ...	..	6,991	86	260	..	..	7,337	7,286	6,153
Net output per person employed (i) ...	£	444	352	310	..	..	438	447	177
Wages and salaries (d)(i) { of operatives ...	£'000	1,525	17	49	..	..	1,591	1,521	..
of other workers ...	..	438	5	10	..	..	453	385	..
Capital expenditure on new buildings ...	..	(f)	(f)	(f)	..	..	29	18	..
Plant and machinery { new acquisitions ...	..	(f)	(f)	(f)	..	..	107	108	..
second-hand acquisitions ...	..	2	..	1	..	..	3	9	..
disposals ...	..	(f)	(f)	(f)	..	..	11	5	..
Vehicles { new acquisitions ...	..	26	..	1	..	..	26	21	..
second-hand acquisitions ...	..	4	..	..	..	..	5	7	..
disposals ...	..	9	..	..	..	..	9	6	..
Firms employing on average 10 or fewer : number of returns ...	No.	988	48	38	1,074	30	1,104	1,039	..
Average number employed (including working proprietors) ...	..	3,083	142	131	3,356	88	3,444	3,162	..
All firms (including those not making satisfactory returns) : estimated average employment ...	..	10,577(j)	255	408	..	(j)	11,240	11,025	..

(For notes see page 3/11.)

Table 2

(a) Including the following numbers of persons of all ages employed in Government establishments in the United Kingdom :—

		B	J	K	M (2)
Operatives	Males	2,335	6,700	2,770	691
	Females	83	60	217	34
Administrative, technical and clerical	Males	295	588	232	96
	Females	122	195	80	33
Canteen workers	Males	—	1	—	—
	Females	3	8	—	23
Other excluded employees	Males	—	12	—	—
	Females	5	—	—	—

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

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

(d) These figures include particulars for Northern Ireland of the Motor Vehicles and Cycles (Manufacturing) Trade—I and the Railway Carriages and Wagons and Trams Trade—M (1) for which separate information is not available.

(e) There were no larger establishments in Wales in the register for this trade.

(f) Average number employed during the year.

(g) Particulars for Northern Ireland are not separately available and have been included in the report on the Motor Vehicles and Cycles (Repairing) Trade—J.

(h) The following amounts were paid to outworkers in 1949 in the United Kingdom in the trades included in this volume: Trade B £2,000; C £3,000; F negligible; G £5,000; I £8,000; K £8,000; M (2) negligible; N £4,000.

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

(j) Employees engaged, for example, in merchanting.

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