



BOARD OF TRADE

THE REPORT
on the
CENSUS OF PRODUCTION
FOR 1950

VOLUME 4

Engineering, Shipbuilding, and Electrical Goods

*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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The Report on the Census of Production for 1950

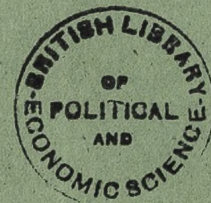
Volume 4. Engineering, Shipbuilding, and Electrical Goods

In interpreting the data in the following tables, it is essential to bear in mind not only the qualifications mentioned in this Volume, 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 1950: Introductory Notes," price 1s. 0d. net.

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Table 1. Output, materials, stocks, average employment, etc. in larger establishments and average employment in small firms for the trades listed below. (These particulars relate only to firms' own productive activities, including repair work; merchanting activities are excluded) Pages 4/3 to 4/10.

Trade	Standard Industrial Classification minimum list heading	Activities in which establishments in the trade were wholly or mainly engaged	Page
A Shipbuilding and Ship Repairing	50	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. Government establishments are included	4/3
B Marine Engineering ...	51 (2)	The manufacture and installation of main and auxiliary engines for ships, marine boilers and turbines, and engines and out-board motors for motor-boats. There were no Government establishments mainly engaged in marine engineering corresponding to minimum list heading 51 (1)	4/3
C Machine Tools ...	54	The manufacture of metal-working machine tools, engineers' small tools for use with machine tools, and welding machinery	4/4
D Textile Machinery and Accessories	56	The manufacture and repair of spinning, winding, weaving, knitting, printing, dyeing, etc., machinery for use in the textile industries, and accessories such as bobbins, combs, jacquard cards, reeds, rollers, shuttles and spindles	4/4
E Small Arms ...	57 (part)	The manufacture of small arms and parts thereof. Government establishments are included	4/5
F Constructional Engineering	58	The manufacture of structural iron and steel work, tubular scaffolding and prefabricated houses of steel or aluminium, and other constructional engineering work. Firms engaged in constructional engineering work that did not themselves make any of the material used are excluded. This is an "overlap" trade (see the separate booklet published in this series entitled "The Report on the Census of Production for 1950: Introductory Notes," page i). Establishments in the trade in Great Britain that were engaged also in merchanting made returns for 1950 in the census of distribution only. Particulars of the limited information available in the census of production for establishments in Great Britain that sold no merchant goods are given in Table 3 and in the "Note on Overlap Trades" on page 4/13.	
G Mechanical Handling Equipment	69 (7)	The manufacture of cranes, lifts, hoists, elevators, escalators, belt or chain conveyors (other than for mines), excavating and dredging machinery (cableway drag-line and dredge, etc., excavators). Establishments mainly manufacturing excavating machines of a type generally associated with civil engineering and contracting plant (e.g. bulldozers, trenching, ditching and similar digging machinery) are excluded from this trade but are covered by the Mechanical Engineering (General) Trade—I	4/5
H Printing and Book-binding Machinery	69 (8)	The manufacture of typesetting machinery, printing presses, ruling machines, wire stitching machinery, and cardboard box, paper bag and envelope making machinery	4/6
I Mechanical Engineering	52, 53, 55, 69 (1-6 and 9-12), and 57 (part)	Mechanical engineering except marine engineering, constructional engineering and engineering repair work, and the manufacture of machine tools (metal working), textile machinery, small arms, mechanical handling equipment, and printing and bookbinding machinery which are covered in separate reports (Trades B, F and J, and C, D, E, G and H, respectively); and the manufacture of guns (other than small arms), shell cases, bombs, etc. Government establishments are included	4/6
J Mechanical Engineering (Repairing)	51 to 69 (part)	The repair of non-electrical machinery of all kinds and mechanical engineering work on materials supplied by other firms. Government establishments are included	4/7
K Electrical Engineering	70, 79 (part) and 29 (3) (part)	The manufacture of electricity generating plant, transformers, dynamos, electric motors, switchgear, electrical equipment for motor vehicles, cycles and aircraft, and other electrical goods, except electric wires and cables, radio and telecommunication apparatus and equipment, batteries and accumulators, and electric lighting accessories and fittings, which are covered in separate reports (Trades L, M, N and O respectively). The manufacture of mica goods is also included	4/7
L Electric Wires and Cables	71	The manufacture of insulated electric wires and cables	4/8
M Radio and Telecommunications	72, 73 and 74	The manufacture of telegraph and telephone equipment, radio apparatus, gramophones, electric lamps, discharge lamps, etc. (1) Private Firms (2) Government Establishments	4/8 4/9



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Table 1 (contd.)

Trade	Standard Industrial Classification minimum list heading	Activities in which establishments in the trade are wholly or mainly engaged	Page
N Batteries and Accumulators	75	The manufacture of dry batteries, including radio and flash lamp batteries, and accumulators for all purposes	4/9
O Electric Lighting Accessories and Fittings	79 (2) (part)	The manufacture of electric lighting accessories and fittings and electric bell apparatus	4/10

Table 2. Employment in larger establishments. Numbers employed in the week ended September 30, 1950, in connection with the output shown in Table 1	Page 4/11
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Table 1—A Shipbuilding and Ship Repairing Trade

	Unit	1950					1949	1948	1935
		England	Wales	Scotland	Northern Ireland	United Kingdom	United Kingdom	Great Britain	United Kingdom
Establishments employing on average more than 10 persons ...	No.	504(a)	39	139	(a)	682	700	678	400
Total value of sales and work done (b) ...	£'000	161,613	4,450	68,912	..	234,975	245,993	235,921	..
Payment for transport by other firms ...	..	192	4	104	..	299	346	306	..
Gross output (production) ...	..	161,421	4,447	68,808	..	234,676	245,647	235,615	45,738
Purchases of materials and fuel ...	..	64,495	954	31,109	..	96,558	99,274	93,123	..
Stocks of mater. { at beginning of year ...	..	8,824	367	2,905	..	12,096	12,057	9,071	..
ials and fuel { at end of year ...	..	8,905	375	2,911	..	12,190	12,117	10,806	..
Cost of materials and fuel used ...	..	64,415	946	31,103	..	96,464	99,214	91,388	22,290
Payment for work done on materials given out ...	..	17,580	441	12,714	..	30,735	36,050	28,894	679
Net output ...	..	79,426	3,059	24,991	..	107,477	110,383	115,333	22,769
Average number employed (c) { operatives ...	No.	141,336	5,228	43,347	..	189,911	203,821	208,946	104,377
other workers ...	..	16,240	645	5,738	..	22,623	23,106	22,297	9,006
Working proprietors ...	..	68	—	45	..	113	146	131	..
Total employment including working proprietors (c) ...	..	157,644	5,873	49,130	..	212,647	227,073	231,374	113,383
Net output per person employed (c) ...	£	504	521	509	..	505	486	498	201
Wages and salaries (c) { of operatives ...	£'000	51,636	2,072	14,881	..	68,589	72,386	73,471	..
of other workers ...	..	7,614	271	2,484	..	10,369	10,265	9,211	..
Employers' share of all National Insurance contributions	..	1,628	64	503	..	2,195	2,363	1,970	..
Outworkers: average number employed ...	No.	3	—	3	..	6	9	—	..
Payments to outworkers ...	£'000	—	—	—	..	1	1	—	..
Firms employing on average 10 or fewer: number of returns ...	No.	300	10	55	..	365(d)	358	370	..
Average number employed (including working proprietors)	..	1,766	57	321	..	2,144	2,119	2,178	..
All firms (including those not making satisfactory returns): estimated average employment ...	..	159,545(a)	5,947	49,491	..	214,983(d)	229,436	233,806	..

Table 1—B Marine Engineering Trade

Establishments employing on average more than 10 persons ...	No.	67(a)	—	37	(a)	104	102	97	83
Total value of sales ...	£'000	43,528	—	24,238	..	67,766	64,893	32,808	..
Total amount charged to customers for work done ...	..	34,849	—	18,878	..	53,727	51,963	16,235	..
Stocks of finished goods produced { at beginning of year ...	..	33,947	—	19,025	..	52,972	54,406	41,329	..
for sale and work in progress { at end of year ...	..	215	—	81	..	296	291	44,398	..
Payment for transport by other firms ...	..	42,410	—	24,304	..	66,714	67,046	206	..
Gross output (production) ...	..	20,973	—	13,326	..	34,298	35,080	51,905	12,434
Purchases of materials and fuel ...	..	3,010	—	1,404	..	4,415	4,241	26,498	..
Stocks of mater. { at beginning of year ...	..	2,998	—	1,459	..	4,457	4,459	3,108	..
ials and fuel { at end of year ...	..	20,985	—	13,271	..	34,256	34,862	3,555	..
Cost of materials and fuel used ...	..	1,217	—	669	..	1,887	1,612	26,061	6,326
Payment for work done on materials given out ...	..	20,208	—	10,364	..	30,571	30,573	1,162	566
Net output ...	..	33,168	—	17,795	..	50,963	53,335	24,692	5,542
Average number employed (c) { operatives ...	No.	6,611	—	3,187	..	9,798	9,853	45,318	27,863
other workers ...	..	3	—	4	..	7	8	8,532	..
Working proprietors ...	..	39,782	—	20,986	..	60,768	63,196	8	3,951
Total employment including working proprietors (c) ...	..	508	—	494	..	503	484	53,858	31,814
Net output per person employed (c) ...	£	11,144	—	5,757	..	16,901	16,940	458	174
Wages and salaries (c) { of operatives ...	£'000	2,927	—	1,401	..	4,327	4,194	13,934	..
of other workers ...	..	417	—	214	..	630	634	3,468	..
Employers' share of all National Insurance contributions	..	—	—	64	..	64	89	442	..
Outworkers: average number employed ...	No.	—	—	26	..	26	33	—	..
Payments to outworkers ...	£'000	—	—	—	..	—	—	—	..
Firms employing on average 10 or fewer: number of returns ...	No.	23(e)	(e)	3	..	26(d)	20	22	..
Average number employed (including working proprietors)	..	129	..	11	..	140	110	134	..
All firms (including those not making satisfactory returns): estimated average employment ...	..	39,923 (a)	(e)	20,997	..	60,920(d)	63,306	53,992	..

(For notes see page 4/13)

Table I—C Machine Tools Trade

	Unit	1950					1949	1948	1935
		England	Wales	Scotland	Northern Ireland	United Kingdom	United Kingdom	Great Britain	United Kingdom
Establishments employing on average more than 10 persons ...	No.	617	6	22	—	645	627(f)	616	195(f)
Total value of sales ...	£'000	77,999	455	2,936	—	81,390	73,835	66,959	..
Total amount charged to customers for work done ...	..	1,562	—	75	—	1,637	..	1,368	..
Stocks of finished goods produced { at beginning of year ...	..	15,888	31	854	—	16,773	14,971	12,501	..
for sale and work in progress { at end of year ...	..	16,620	102	934	—	17,656	16,521	14,359	..
Payment for transport by other firms ...	..	480	1	19	—	501	385	366	..
Gross output (production) ...	..	79,814	525	3,071	—	83,409	74,999	69,819	10,303
Purchases of materials and fuel ...	..	31,154	229	1,257	—	32,640	29,815	26,732	..
Stocks of mater- f at beginning of year ...	..	7,257	55	267	—	7,580	6,893	6,035	..
ials and fuel { at end of year ...	..	7,244	67	317	—	7,628	7,474	6,836	..
Cost of materials and fuel used ...	..	31,168	217	1,207	—	32,591	29,234	25,931	3,376
Payment for work done on materials given out ...	..	1,400	—	107	—	1,507	1,354	1,164	54
Net output ...	..	47,246	308	1,757	—	49,311	44,411	42,724	6,873
Average number employed (c) { operatives ...	No.	60,345	547	2,321	—	63,213	62,436	62,049	22,052
{ other workers ...	..	14,853	104	753	—	15,710	15,127	14,403	4,116
Working proprietors ...	..	64	4	3	—	71	70	79	..
Total employment including working proprietors (c) ...	..	75,262	655	3,077	—	78,994	77,633	76,531	26,168
Net output per person employed (c) ...	£	628	470	571	—	624	572	558	263
Wages and salaries (c) { of operatives ...	£'000	21,055	198	759	—	22,012	20,528	19,617	..
{ of other workers ...	..	7,267	35	285	—	7,586	7,079	6,260	..
Employers' share of all National Insurance contributions ...	..	745	7	31	—	782	766	604	..
Outworkers : average number employed ...	No.	50	—	—	—	50	36	14	..
Payments to outworkers ...	£'000	3	—	—	—	3	3	2	..
Firms employing on average 10 or fewer : number of returns ...	No.	290	5	7	..	302(d)	264	261	..
Average number employed (including working proprietors) ...	..	1,854	28	43	..	1,925	1,726	1,721	..
All firms (including those not making satisfactory returns) : estimated average employment ...	..	77,186	689	3,126	..	81,001(d)	79,439	79,003	..

Table I—D Textile Machinery and Accessories Trade

	No.	424(g)	(g)	32	(g)	456	457	423	348(h)
Establishments employing on average more than 10 persons ...	No.	424(g)	(g)	32	(g)	456	457	423	348(h)
Total value of sales ...	£'000	73,377	..	3,806	..	77,182	71,345	55,365	1,554
Total amount charged to customers for work done ...	..	14,817	..	876	..	15,693	14,928	10,996	..
Stocks of finished goods produced { at beginning of year ...	..	12,278	..	831	..	13,109	15,895	13,778	..
for sale and work in progress { at end of year ...	..	447	..	19	..	466	330	236	..
Payment for transport by other firms ...	..	70,390	..	3,741	..	74,131	71,982	59,465	12,128
Gross output (production) ...	..	28,883	..	1,614	..	30,497	29,917	26,191	..
Purchases of materials and fuel ...	..	9,264	..	567	..	9,831	10,489	7,240	..
Stocks of mater- f at beginning of year ...	..	8,598	..	660	..	9,258	9,876	9,324	..
ials and fuel { at end of year ...	..	29,548	..	1,520	..	31,069	30,531	24,107	4,640
Cost of materials and fuel used ...	..	646	..	9	..	655	450	559	82
Payment for work done on materials given out ...	..	40,195	..	2,212	..	42,407	41,001	34,799	7,406
Net output ...	No.	59,034	..	4,417	..	63,451	64,782	58,898	36,021
Average number employed (c) { operatives ...	..	8,981	..	647	..	9,628	9,604	8,596	3,700
{ other workers ...	..	90	..	3	..	93	110	81	..
Working proprietors ...	..	68,105	..	5,067	..	73,172	74,496	67,575	39,721
Total employment including working proprietors (c) ...	..	£	590	..	437	..	580	550	186
Net output per person employed (c) ...	£'000	19,720	..	1,312	..	21,031	20,850	18,166	..
Wages and salaries (c) { of operatives ...	..	4,273	..	309	..	4,583	4,299	3,543	..
{ of other workers ...	..	683	..	51	..	735	752	568	..
Employers' share of all National Insurance contributions ...	No.	78	..	—	..	78	100	94	..
Outworkers : average number employed ...	£'000	7	..	—	..	7	11	6	..
Payments to outworkers ...	No.	230	..	10	..	240(d)	246	230	..
Firms employing on average 10 or fewer : number of returns ...	..	1,304	..	63	..	1,367	1,440	1,286	..
Average number employed (including working proprietors) ...	..	69,444(g)	(g)	5,136	..	74,580(d)	75,970	69,146	..
All firms (including those not making satisfactory returns) : estimated average employment ...	..	..	..	..	..	..	..	..	..

(For notes see page 4/13)

Table I—E Small Arms Trade

	Unit	1950					1949	1948	1935
		England	Wales	Scotland	Northern Ireland	United Kingdom	United Kingdom	Great Britain	United Kingdom
Establishments employing on average more than 10 persons ...	No.	23(i)	(i)	(i)	—	23	23(f)	21	32(f)
Total value of sales ...	£'000	3,156	..	..	..	3,156	4,570	2,261	..
Total amount charged to customers for work done ...	..	136	..	..	..	136	..	1,303	..
Stocks of finished goods produced { at beginning of year ...	..	1,019	..	..	..	1,019	1,572	1,220	..
for sale and work in progress { at end of year ...	..	1,083	..	..	..	1,083	986	1,539	..
Payment for transport by other firms ...	..	16	..	..	..	16	7	3	..
Gross output (production) ...	..	3,341	..	..	..	3,341	3,977	3,880	677
Purchases of materials and fuel ...	..	1,050	..	..	..	1,050	1,297	1,084	..
Stocks of mater- f at beginning of year ...	..	1,458	..	..	..	1,458	1,508	1,554	..
ials and fuel { at end of year ...	..	1,549	..	..	..	1,549	1,413	1,506	..
Cost of materials and fuel used ...	..	960	..	..	..	960	1,392	1,131	175
Payment for work done on materials given out ...	..	17	..	..	..	17	24	22	9
Net output ...	..	2,365	..	..	..	2,365	2,562	2,727	493
Average number employed (c) { operatives ...	No.	4,781	..	..	..	4,781	6,062	5,149	2,065
{ other workers ...	..	917	..	..	..	917	898	802	401
Working proprietors ...	..	3	..	..	..	3	5	2	..
Total employment including working proprietors (c) ...	..	5,701	..	..	..	5,701	6,965	5,953	2,466
Net output per person employed (c) ...	£	415	..	..	..	415	368	458	200
Wages and salaries (c) { of operatives ...	£'000	1,585	..	..	..	1,585	1,995	1,690	..
{ of other workers ...	..	402	..	..	..	402	409	351	..
Employers' share of all National Insurance contributions ...	..	55	..	..	..	55	66	53	..
Outworkers : average number employed ...	No.	43	..	..	..	43	43	40	207
Payments to outworkers ...	£'000	8	..	..	..	8	7	7	..
Firms employing on average 10 or fewer : number of returns ...	No.	73	..	4	..	77(d)	91	89	..
Average number employed (including working proprietors) ...	..	332	..	19	..	351	392	408	..
All firms (including those not making satisfactory returns) : estimated average employment ...	..	6,070(i)	(i)	(i)	..	6,070(d)	7,378	6,361	..

Table I—G Mechanical Handling Equipment Trade

	No.	150	4	23	—	177	172(f)	162	93(f)
Establishments employing on average more than 10 persons ...	No.	150	4	23	—	177	172(f)	162	93(f)
Total value of sales ...	£'000	30,748	261	4,196	..	35,205	34,569	25,955	..
Total amount charged to customers for work done ...	..	1,844	16	138	..	1,998	..	3,982	..
Stocks of finished goods produced { at beginning of year ...	..	8,909	21	1,500	..	10,430	9,422	7,254	..
for sale and work in progress { at end of year ...	..	10,754	13	1,717	..	12,483	10,369	8,896	..
Payment for transport by other firms ...	..	361	2	58	..	421	382	288	..
Gross output (production) ...	..	34,075	268	4,493	..	38,835	35,134	31,291	6,018
Purchases of materials and fuel ...	..	16,195	107	2,396	..	18,698	17,087	15,270	..
Stocks of mater- f at beginning of year ...	..	3,574	52	333	..	3,959	3,699	3,236	..
ials and fuel { at end of year ...	..	3,766	50	305	..	4,120	3,808	3,662	..
Cost of materials and fuel used ...	..	16,003	109	2,424	..	18,537	16,978	14,844	2,625
Payment for work done on materials given out ...	..	136	3	24	..	162	181	182	35
Net output ...	..	17,936	155	2,045	..	20,136	17,975	16,266	3,358
Average number employed (c) { operatives ...	No.	20,592	164	3,257	..	24,013	22,976	22,405	10,864
{ other workers ...	..	7,028	92	848	..	7,968	6,927	6,714	2,968
Working proprietors ...	..	7	—	1	..	8	7	5	..
Total employment including working proprietors (c) ...	..	27,627	256	4,106	..	31,989	29,910	29,124	13,832
Net output per person employed (c) ...	£	649	607	498	..	629	601	559	243
Wages and salaries (c) { of operatives ...	£'000	7,081	56	997	..	8,134	7,460	6,890	..
{ of other workers ...	..	2,927	44	303	..	3,275	2,861	2,611	..
Employers' share of all National Insurance contributions ...	..	268	3	41	..	312	301	230	..
Outworkers : average number employed ...	No.	3	—	—	..	3	19	2	..
Payments to outworkers ...	£'000	—	—	—	..	—	4	—	..
Firms employing on average 10 or fewer : number of returns ...	No.	12	..	2	..	14(d)	17	19	..
Average number employed (including working proprietors) ...	..	86	..	19	..	105	112	129	..
All firms (including those not making satisfactory returns) : estimated average employment ...	..	27,720	256	4,125	..	32,101(d)	30,022	29,308	..

(For notes see page 4/13)

Table I—H Printing and Bookbinding Machinery Trade

	Unit	1950					1949	1948	1935
		England	Wales	Scotland	Northern Ireland	United Kingdom	United Kingdom	Great Britain	United Kingdom
Establishments employing on average more than 10 persons ...	No.	112(e)	(e)	3	—	115	109(f)	104	77(f)
Total value of sales ...	£'000	16,520	..	199	—	16,719	15,038	11,476	..
Total amount charged to customers for work done ...	..	652	..	4	—	656	608	608	..
Stocks of finished goods produced { at beginning of year ...	..	4,700	..	27	—	4,727	4,641	3,950	..
for sale and work in progress { at end of year ...	..	4,912	..	27	—	4,939	4,829	4,572	..
Payment for transport by other firms ...	..	104	..	3	—	107	86	65	..
Gross output (production) ...	..	17,280	..	200	—	17,480	15,141	12,641	3,502
Purchases of materials and fuel ...	..	5,391	..	58	—	5,449	4,520	3,728	..
Stocks of mater- { at beginning of year ...	..	1,059	..	11	—	1,070	980	765	..
ials and fuel { at end of year ...	..	1,137	..	12	—	1,149	1,052	931	..
Cost of materials and fuel used ...	..	5,313	..	57	—	5,370	4,448	3,562	829
Payment for work done on materials given out ...	..	963	..	1	—	964	964	477	19
Net output ...	..	11,004	..	142	—	11,146	9,729	8,602	2,654
Average number employed (c) { operatives ...	No.	12,849	..	239	—	13,088	12,779	11,814	8,311
{ other workers ...	..	3,464	..	43	—	3,507	3,314	3,184	..
Working proprietors ...	..	6	..	2	—	8	10	9	..
Total employment including working proprietors (c) ...	..	16,319	..	284	—	16,603	16,103	15,007	10,150
Net output per person employed (c) ...	£	674	..	499	—	671	604	573	262
Wages and salaries (c) { of operatives ...	£'000	4,359	..	63	—	4,422	4,175	3,704	..
{ of other workers ...	..	1,783	..	17	—	1,800	1,600	1,386	..
Employers' share of all National Insurance contributions ...	..	163	..	3	—	166	161	122	..
Outworkers: average number employed ...	No.	1	..	—	—	1	1	—	..
Payments to outworkers ...	£'000	—	..	—	—	—	—	—	..
Firms employing on average 10 or fewer: number of returns ...	No.	36(e)	(e)	3	..	39(d)	46	41	..
Average number employed (including working proprietors) ...	..	255	..	23	..	278	302	268	..
All firms (including those not making satisfactory returns): estimated average employment ...	..	16,596(e)	(e)	307	..	16,903(d)	16,412	15,295	..

Table I—I Mechanical Engineering (General) Trade

	No.	1950					1949	1948	1935
		England	Wales	Scotland	Northern Ireland	United Kingdom	United Kingdom	Great Britain	United Kingdom
Establishments employing on average more than 10 persons ...	No.	2,697	59	243	36	3,035	2,968	2,765	1,595(j)
Total value of sales ...	£'000	480,387	10,002	77,462	2,913	570,764	524,091	423,737	..
Total amount charged to customers for work done ...	..	17,894	237	4,212	310	22,654	29,957	..	..
Stocks of finished goods produced { at beginning of year ...	..	122,195	1,374	21,626	632	145,827	136,971	114,575	..
for sale and work in progress { at end of year ...	..	127,645	1,349	23,184	738	152,916	146,418	133,686	..
Payment for transport by other firms ...	..	4,946	121	827	86	5,979	4,982	3,854	..
Gross output (production) ...	..	498,786	10,092	82,406	3,243	594,527	528,557	468,951	103,178
Purchases of materials and fuel ...	..	235,713	5,417	38,599	1,509	281,238	245,452	211,269	..
Stocks of mater- { at beginning of year ...	..	51,742	1,324	8,734	505	62,304	60,034	50,427	..
ials and fuel { at end of year ...	..	54,824	1,440	8,864	513	65,641	61,230	59,556	..
Cost of materials and fuel used ...	..	232,631	5,301	38,469	1,500	277,901	244,257	202,140	41,264
Payment for work done on materials given out ...	..	11,583	316	882	52	12,834	12,364	10,466	638
Net output ...	..	254,572	4,475	43,055	1,690	303,792	271,936	256,345	61,276
Average number employed (c) { operatives ...	No.	318,302	6,211	58,283	3,480	386,276	375,305	358,379	216,422
{ other workers ...	..	96,817	1,779	15,323	811	114,730	108,314	101,085	48,685
Working proprietors ...	..	812	6	43	72	433	458	354	..
Total employment including working proprietors (c) ...	..	415,431	7,996	73,649	4,363	501,439	484,077	459,818	265,107
Net output per person employed (c) ...	£	613	560	585	387	606	562	557	231
Wages and salaries (c) { of operatives ...	£'000	111,590	2,223	19,371	1,089	134,272	124,330	113,473	..
{ of other workers ...	..	44,317	779	6,603	285	51,983	46,987	41,647	..
Employers' share of all National Insurance contributions ...	..	4,126	80	716	43	4,966	4,829	3,747	..
Outworkers: average number employed ...	No.	80	—	3	—	83	68	59	..
Payments to outworkers ...	£'000	8	—	—	—	8	6	6	..
Firms employing on average 10 or fewer: number of returns ...	No.	1,951	37	127	..	2,115(d)	2,787	3,042	..
Average number employed (including working proprietors) ...	..	11,659	227	803	..	12,689	16,006	17,047	..
All firms (including those not making satisfactory returns): estimated average employment ...	..	428,787	8,311	74,591	4,363(d)	516,052(d)	502,680	482,380	..

(For notes see page 4/13)

Table I—J Mechanical Engineering (Repairing) Trade

	Unit	1950					1949	1948	1935
		England	Wales	Scotland	Northern Ireland	United Kingdom	United Kingdom	Great Britain	United Kingdom
Establishments employing on average more than 10 persons ...	No.	683	40	100	12	835	882	826	545
Total value of sales ...	£'000	2,979	26	306	78	3,388	21,985	2,548	..
Total amount charged to customers for work done ...	..	14,829	788	2,332	164	18,113	17,162	..	..
Stocks of finished goods produced { at beginning of year ...	..	1,419	24	265	23	1,731	1,567	1,097	..
for sale and work in progress { at end of year ...	..	1,607	27	284	36	1,955	1,793	1,419	..
Payment for transport by other firms ...	..	76	4	19	—	98	91	70	..
Gross output (production) ...	..	17,920	813	2,639	255	21,627	22,121	19,962	4,7
Purchases of materials and fuel ...	..	6,045	192	993	100	7,330	7,485	5,870	..
Stocks of mater- { at beginning of year ...	..	1,303	24	168	22	1,517	1,562	1,101	..
ials and fuel { at end of year ...	..	1,514	31	186	20	1,750	1,737	1,336	..
Cost of materials and fuel used ...	..	5,835	186	976	101	7,097	7,310	5,634	1,319
Payment for work done on materials given out ...	..	413	2	45	—	460	395	333	39
Net output ...	..	11,672	626	1,618	154	14,069	14,416	13,994	3,387
Average number employed (c) { operatives ...	No.	20,277	1,433	3,118	327	25,155	26,457	25,404	15,090
{ other workers ...	..	3,760	175	539	51	4,525	4,705	4,410	..
Working proprietors ...	..	151	7	31	15	204	221	214	3,039
Total employment including working proprietors (c) ...	..	24,188	1,615	3,688	393	29,884	31,383	30,028	18,129
Net output per person employed (c) ...	£	483	387	439	391	471	459	466	187
Wages and salaries (c) { of operatives ...	£'000	6,729	443	961	93	8,225	8,311	7,726	..
{ of other workers ...	..	1,672	69	215	21	1,977	1,974	1,732	..
Employers' share of all National Insurance contributions ...	..	246	17	37	4	304	320	252	..
Outworkers: average number employed ...	No.	12	—	—	—	12	15	5	..
Payments to outworkers ...	£'000	2	—	—	—	2	—	—	..
Firms employing on average 10 or fewer: number of returns ...	No.	1,162	25	91	..	1,278(d)	951	832	..
Average number employed (including working proprietors) ...	..	5,942	133	489	..	6,564	5,116	4,276	..
All firms (including those not making satisfactory returns): estimated average employment ...	..	30,481	1,748	4,202	393(d)	36,824(d)	36,909	34,769	..

Table I—K Electrical Engineering Trade

	No.	1950					1949	1948	1935
		England	Wales	Scotland	Northern Ireland	United Kingdom	United Kingdom	Great Britain	United Kingdom
Establishments employing on average more than 10 persons ...	No.	849	34	63	6	952	928	892	522
Total value of sales ...	£'000	245,747	2,874	10,106	343	259,069	249,588	205,302	..
Total amount charged to customers for work done ...	..	16,881	362	1,354	1,165	19,763	17,087	..	..
Stocks of finished goods produced { at beginning of year ...	..	57,885	507	1,613	9	60,015	60,151	51,196	..
for sale and work in progress { at end of year ...	..	59,386	573	1,765	12	61,736	62,634	60,094	..
Payment for transport by other firms ...	..	2,753	18	72	10	2,854	1,982	1,495	..
Gross output (production) ...	..	261,376	3,284	11,539	1,500	277,700	250,089	229,791	55,846
Purchases of materials and fuel ...	..	118,361	1,725	5,619	440	126,145	109,030	103,460	..
Stocks of mater- { at beginning of year ...	..	29,055	657	1,287	148	31,147	33,372	28,830	..
ials and fuel { at end of year ...	..	30,120	742	1,491	161	32,514	30,717	33,117	..
Cost of materials and fuel used ...	..	117,296	1,640	5,415	427	124,777	111,685	99,173	23,216
Payment for work done on materials given out ...	..	2,328	20	77	257	2,683	2,616	2,385	143
Net output ...	..	141,752	1,624	6,047	816	150,239	135,788	128,233	32,487
Average number employed (c) { operatives ...	No.	184,172	3,423	8,832	1,782	198,209	191,924	197,124	117,621
{ other workers ...	..	65,828	911	2,812	340	69,891	66,815	61,359	31,336
Working proprietors ...	..	55	2	7	7	71	97	78	..
Total employment including working proprietors (c) ...	..	250,055	4,336	11,651	2,129	268,171	258,836	258,561	148,957
Net output per person employed (c) ...	£	567	374	519	383	560	525	496	218
Wages and salaries (c) { of operatives ...	£'000	57,759	880	2,425	546	61,611	57,160	55,344	..
{ of other workers ...	..	29,360	368	1,169	122	31,018	27,306	24,150	..
Employers' share of all National Insurance contributions ...	..	2,437	40	109	21	2,607	2,400	2,000	..
Outworkers: average number employed ...	No.	712	43	—	—	755	582	557	..
Payments to outworkers ...	£'000	57	4	—	—	61	67	48	..
Firms employing on average 10 or fewer: number of returns ...	No.	815	22	55	..	892(d)	978	972	..
Average number employed (including working proprietors) ...	..	4,757	125	344	..	5,226	5,048	5,599	..
All firms (including those not making satisfactory returns): estimated average employment ...	..	255,284	4,461	12,070	2,129(d)	273,944(d)	264,722	265,385	..

(For notes see page 4/13)

Table I—L Electric Wires and Cables Trade

	Unit	1950					1949	1948	1935
		England	Wales	Scotland	Northern Ireland	United Kingdom	United Kingdom	Great Britain	United Kingdom
Establishments employing on average more than 10 persons ...	No.	82(i)	(i)	(i)	—	82	83(f)	84	64(f)
Total value of sales ...	£'000	102,949	..	..	..	102,949	103,419	88,955	..
Total amount charged to customers for work done ...	..	2,125	..	..	..	2,125	7,947	..	..
Stocks of finished goods produced { at beginning of year ...	..	15,730	..	..	..	15,730	15,492	13,102	..
for sale and work in progress { at end of year ...	..	16,905	..	..	..	16,905	15,920	16,759	..
Payment for transport by other firms ...	..	1,304	..	..	..	1,304	1,567	1,365	..
Gross output (production) ...	..	104,944	..	..	..	104,944	102,280	99,194	20,906
Purchases of materials and fuel ...	..	71,513	..	..	..	71,513	65,329	60,689	..
Stocks of mater- { at beginning of year ...	..	12,674	..	..	..	12,674	12,343	11,278	..
ials and fuel { at end of year ...	..	14,870	..	..	..	14,870	12,551	12,529	..
Cost of materials and fuel used ...	..	69,317	..	..	..	69,317	65,121	59,438	11,723
Payment for work done on materials given out ...	..	294	..	..	..	294	231	284	119
Net output ...	..	35,333	..	..	..	35,333	36,928	39,471	9,064
Average number employed (c) { operatives ...	No.	42,167	..	..	..	42,167	43,951	49,332	26,350
{ other workers ...	..	14,503	..	..	..	14,503	14,055	14,353	6,198
Working proprietors ...	..	..	..	..	..	..	..	..	6,198
Total employment including working proprietors (c) ...	..	56,670	..	..	..	56,670	58,006	63,685	32,548
Net output per person employed (c) ...	£	623	..	..	..	623	637	620	278
Wages and salaries (c) { of operatives ...	£'000	12,613	..	..	..	12,613	12,761	13,885	..
{ of other workers ...	..	6,413	..	..	..	6,413	5,977	5,493	..
Employers' share of all National Insurance contributions ...	..	542	..	..	..	542	556	491	..
Outworkers: average number employed ...	No.	50	..	..	..	50	243	294	..
Payments to outworkers ...	£'000	7	..	..	..	7	24	25	..
Firms employing on average 10 or fewer : number of returns	No.	4	..	..	..	4(d)	3	3	..
Average number employed (including working proprietors)	..	19	..	..	..	19	20	20	..
All firms (including those not making satisfactory returns): estimated average employment ...	..	56,689(i)	(i)	(i)	..	56,689(d)	58,026	63,705	..

Table I—M(1) Radio and Telecommunications Trade—Private Firms

	No.	407(a)	9	8	(a)(l)(m)	424(l)	420(l)	406	156(n)
Establishments employing on average more than 10 persons ...	No.	407(a)	9	8	(a)(l)(m)	424(l)	420(l)	406	156(n)
Total value of sales ...	£'000	129,064	4,326	2,177	..	135,567	115,588	96,027	..
Total amount charged to customers for work done ...	..	28,066	412	461	..	28,938	31,521	26,992	..
Stocks of finished goods produced { at beginning of year ...	..	29,837	552	129	..	30,519	30,684	32,367	..
for sale and work in progress { at end of year ...	..	575	33	16	..	624	515	343	..
Payment for transport by other firms ...	..	130,260	4,434	1,829	..	136,523	114,236	109,332	27,910
Gross output (production) ...	..	..	..	..	..	..	..	..	..
Purchases of materials and fuel ...	..	64,299	2,849	989	..	68,137	50,259	49,254	..
Stocks of mater- { at beginning of year ...	..	13,535	421	188	..	14,144	15,927	14,551	..
ials and fuel { at end of year ...	..	15,207	570	246	..	16,022	14,471	15,260	..
Cost of materials and fuel used ...	..	62,628	2,700	931	..	66,260	51,715	48,545	12,810
Payment for work done on materials given out ...	..	1,412	35	4	..	1,450	767	955	23
Net output ...	..	66,220	1,700	894	..	68,814	61,753	59,832	15,077
Average number employed (c) { operatives ...	No.	103,134	2,743	1,122	..	106,999	99,228	100,654	53,885
{ other workers ...	..	34,755	868	321	..	35,944	35,004	33,189	11,844
Working proprietors ...	..	19	..	..	..	19	23	18	..
Total employment including working proprietors (c) ...	..	137,908	3,611	1,443	..	142,962	134,255	133,861	65,729
Net output per person employed (c) ...	£	480	471	620	..	481	460	447	229
Wages and salaries (c) { of operatives ...	£'000	28,137	611	281	..	29,029	26,609	25,661	..
{ of other workers ...	..	14,716	383	125	..	15,224	14,373	13,125	..
Employers' share of all National Insurance contributions ...	..	1,276	33	13	..	1,321	1,260	997	..
Outworkers: average number employed ...	No.	279	..	..	..	279	182	110	..
Payments to outworkers ...	£'000	20	..	..	..	20	10	20	..
Firms employing on average 10 or fewer : number of returns	No.	127	..	9	..	136(d)	202(l)	139	..
Average number employed (including working proprietors)	..	785	..	27	..	812	943	818	..
All firms (including those not making satisfactory returns): estimated average employment ...	..	138,871(a)	3,611	1,476	..	143,958	135,382(l)	135,080	..

(For notes see page 4/13)

Table I—M(2) Radio and Telecommunications Trade—Government Establishments

	Unit	1950					1949	1948	1935
		England	Wales	Scotland	Northern Ireland	United Kingdom	United Kingdom	Great Britain	United Kingdom
Establishments employing on average more than 10 persons ...	No.	24	2	2	(l)	28(l)	26(l)	15	20(n)
Total value of sales ...	£'000	1,725	59	242	..	2,026	48,804	983	..
Total amount charged to customers for work done ...	..	40,077	1,996	3,810	..	45,883	42,195	..	..
Stocks of finished goods produced { at beginning of year ...	..	1,503	10	32	..	1,545	1,289	1,146	..
for sale and work in progress { at end of year ...	..	1,547	53	34	..	1,634	1,545	1,289	..
Payment for transport by other firms ...	..	3	..	2	..	5	..	..	..
Gross output (production) ...	..	41,843	2,097	4,052	..	47,992	49,061	43,320	11,950
Purchases of materials and fuel ...	..	8,557	359	671	..	9,587	11,540	10,734	..
Stocks of mater- { at beginning of year ...	..	783	12	9	..	804	659	583	..
ials and fuel { at end of year ...	..	672	13	9	..	693	804	659	..
Cost of materials and fuel used ...	..	8,669	357	671	..	9,697	11,396	10,657	3,417
Payment for work done on materials given out ...	..	12	..	..	..	13	16	9	7
Net output ...	..	33,162	1,740	3,381	..	38,283	37,649	32,654	8,526
Average number employed (c) { operatives ...	No.	51,398	2,738	5,030	..	59,166	58,538	55,873	29,802
{ other workers ...	..	11,656	559	1,067	..	13,282	13,170	11,318	6,390
Working proprietors ...	..	..	..	..	..	..	..	..	..
Total employment including working proprietors (c) ...	..	63,054	3,297	6,097	..	72,448	71,708	67,191	36,192
Net output per person employed (c) ...	£	526	528	555	..	528	525	486	235
Wages and salaries (c) { of operatives ...	£'000	18,559	932	1,788	..	21,278	20,436	18,776	..
{ of other workers ...	..	5,366	244	442	..	6,053	5,734	5,452	..
Employers' share of all National Insurance contributions ...	..	629	34	62	..	725	741	562	..
Outworkers: average number employed ...	No.	16	..	..	..	16	96	106	..
Payments to outworkers ...	£'000	..	..	..	..	..	..	5	..
Firms employing on average 10 or fewer : number of returns	No.	..	1	..	..	1	..	..	..
Average number employed (including working proprietors)	..	..	2	..	..	2	..	..	..
All firms (including those not making satisfactory returns): estimated average employment ...	..	63,054	3,299	6,097	..	72,450(l)	71,708(l)	67,191	..

Table I—N Batteries and Accumulators Trade

	No.	49(i)	(i)	(i)	—	49	54(f)	59	46(f)
Establishments employing on average more than 10 persons ...	No.	49(i)	(i)	(i)	—	49	54(f)	59	46(f)
Total value of sales ...	£'000	24,443	..	..	..	24,443	23,019	20,578	..
Total amount charged to customers for work done ...	..	185	..	..	..	185	..	95	..
Stocks of finished goods produced { at beginning of year ...	..	2,786	..	..	..	2,786	2,489	1,904	..
for sale and work in progress { at end of year ...	..	3,000	..	..	..	3,000	2,791	2,444	..
Payment for transport by other firms ...	..	255	..	..	..	255	225	241	..
Gross output (production) ...	..	24,587	..	..	..	24,587	23,096	20,972	6,175
Purchases of materials and fuel ...	..	15,666	..	..	..	15,666	13,602	12,301	..
Stocks of mater- { at beginning of year ...	..	2,345	..	..	..	2,345	2,483	2,227	..
ials and fuel { at end of year ...	..	2,829	..	..	..	2,829	2,319	2,547	..
Cost of materials and fuel used ...	..	15,181	..	..	..	15,181	13,765	11,982	2,993
Payment for work done on materials given out ...	..	6	..	..	..	6	2	13	1
Net output ...	..	9,400	..	..	..	9,400	9,329	8,978	3,181
Average number employed (c) { operatives ...	No.	12,173	..	..	..	12,173	12,722	12,843	9,339
{ other workers ...	..	3,403	..	..	..	3,403	3,291	3,081	2,096
Working proprietors ...	..	1	..	..	..	1	3	2	..
Total employment including working proprietors (c) ...	..	15,577	..	..	..	15,577	16,016	15,926	11,435
Net output per person employed ...	£	603	..	..	..	603	582	564	278
Wages and salaries (c) { of operatives ...	£'000	3,607	..	..	..	3,607	3,528	3,355	..
{ of other workers ...	..	1,584	..	..	..	1,584	1,397	1,297	..
Employers' share of all National Insurance contributions ...	..	146	..	..	..	146	146	122	..
Outworkers: average number employed ...	No.	..	..	..	..	..	..	..	..
Firms employing on average 10 or fewer : number of returns	..	117	2	5	..	124(d)	146	138	..
Average number employed (including working proprietors)	..	542	9	21	..	572	639	602	..
All firms (including those not making satisfactory returns): estimated average employment ...	..	16,203(i)	(i)	(i)	..	16,203(d)	16,681	16,568	..

(For notes see page 4/13)

Table I—O Electric Lighting Accessories and Fittings Trade

	Unit	1950					1949	1948	1935
		England	Wales	Scotland	Northern Ireland	United Kingdom	United Kingdom	Great Britain	United Kingdom
Establishments employing on average more than 10 persons ...	No.	150(a)	5	3	(a)(m)	158	156	152	64(f)
Total value of sales ...	£'000	15,601	182	204	..	15,986	15,201	14,877	..
Total amount charged to customers for work done ...	"	1,745	14	22	..	1,782	2,159	2,177	..
Stocks of finished goods produced at beginning of year ...	"	1,776	16	15	..	1,806	2,063	2,068	..
for sale and work in progress at end of year ...	"	113	1	1	..	115	115	44	..
Payment for transport by other firms ...	"	15,519	182	195	..	15,896	14,990	15,206	2,143
Gross output (production) ...	"	7,226	90	110	..	7,425	6,645	7,119	..
Purchases of materials and fuel ...	"	1,971	45	18	..	2,034	2,373	2,151	..
Stocks of materials and fuel at beginning of year ...	"	2,047	40	19	..	2,106	2,133	2,336	..
ials and fuel at end of year ...	"	7,150	94	109	..	7,354	6,884	6,935	1,031
Cost of materials and fuel used ...	"	188	3	2	..	192	134	207	11
Payment for work done on materials given out ...	"	8,181	85	84	..	8,350	7,972	8,064	1,101
Net output ...	"	13,030	210	99	..	13,339	12,772	13,564	5,382
Average number employed (c) {operatives ...	No.	3,008	46	31	..	3,085	3,313	2,952	886
{other workers ...	"	11	—	1	..	12	13	16	..
Working proprietors ...	"	16,049	256	131	..	16,436	16,098	16,532	6,268
Total employment including working proprietors (c) ...	"	£	510	330	644	..	508	495	488
Net output per person employed (c) ...	£'000	3,287	37	28	..	3,351	3,165	3,193	..
Wages and salaries (c) {of operatives ...	"	1,459	17	15	..	1,491	1,462	1,273	..
{of other workers ...	"	143	2	2	..	147	151	254	..
Employers' share of all National Insurance contributions ...	No.	261	—	—	..	261	158	205	..
Outworkers: average number employed ...	£'000	16	—	—	..	16	10	16	..
Payments to outworkers ...	No.	47	2	—	..	49(d)	58	67	..
Firms employing on average 10 or fewer: number of returns... Average number employed (including working proprietors) ...	"	320	5	—	..	325	317	399	..
All firms (including those not making satisfactory returns): estimated average employment ...	"	16,393(a)	261	131	..	16,785(d)	16,447	16,955	..

(For notes see page 4/13)

Employment

Larger establishments: Numbers employed in the week ended September 30, 1950

Table 2

		Shipbuilding and Ship Repairing	Marine Engineering	Machine Tools	Textile Machinery and Accessories	Small Arms	Mechanical Handling Equipment	Printing and Bookbinding Machinery	Mechanical Engineering (General)	Mechanical Engineering (Repairing)	Electrical Engineering (General)	Electric Wires and Cables	Radio and Telecommunications		Batteries and Accumulators	Electric Lighting Accessories and Fittings
		A	B	C	D	E	G	H	I	J	K	L	M (1)	M (2)	N	O
England and Wales		(a)	(a)	(a)	(b)	(b)						(b)	(a)	(b)	(a)	
Operatives	Under 18 Males	6,886	2,060	3,516	2,867	..	1,098	726	15,424	1,549	8,614	..	2,739	2,071	..	365
	Females	43	17	438	411	..	12	68	1,298	52	2,545	..	3,014	52	..	540
	All ages Males	143,680	32,465	53,172	53,299	..	20,004	11,953	292,757	20,582	134,210	..	55,035	53,346	..	5,987
	Females	1,711	482	8,128	6,155	..	810	1,050	33,833	1,237	55,657	..	53,913	816	..	7,252
	All ages Total	145,391	32,947	61,300	59,454	..	20,814	13,003	326,590	21,819	189,867	..	108,948	54,162	..	13,239
Administrative, Technical and Clerical	Under 18 Males	519	241	370	178	..	262	74	2,323	81	1,134	..	646	51	..	57
	Females	518	227	905	406	..	308	143	5,110	188	3,087	..	1,428	291	..	171
	All ages Males	13,392	5,152	9,658	6,432	..	5,286	2,491	67,773	2,753	44,448	..	24,355	8,288	..	1,809
	Females	3,492	1,491	5,477	2,756	..	2,002	1,033	31,955	1,229	23,144	..	12,084	3,822	..	1,249
	All ages Total	16,884	6,643	15,135	9,188	..	7,288	3,524	99,728	3,982	67,592	..	36,439	12,110	..	3,058
Outworkers (c)	Males	3	—	5	6	..	2	—	20	4	61	..	10	1	..	23
	Females	—	—	45	72	..	1	1	60	8	694	..	269	15	..	238
Scotland		(b)										(b)		(b)		
Operatives	Under 18 Males	2,262	1,467	121	342	..	365	20	2,811	287	472	..	18	228	..	—
	Females	64	13	2	32	..	3	2	361	2	218	..	116	6	..	8
	All ages Males	41,058	17,233	2,244	3,884	..	3,153	233	52,205	3,098	5,348	..	452	5,019	..	54
	Females	586	247	77	519	..	70	9	6,785	59	3,621	..	776	23	..	41
	All ages Total	41,644	17,480	2,321	4,403	..	3,223	242	58,990	3,157	8,969	..	1,228	5,042	..	95
Administrative, Technical and Clerical	Under 18 Males	279	154	23	9	..	48	3	431	8	33	..	9	1	..	1
	Females	188	98	43	50	..	43	3	732	35	176	..	25	26	..	1
	All ages Males	4,503	2,470	509	375	..	607	34	10,803	351	1,899	..	192	664	..	22
	Females	1,327	781	247	278	..	259	9	4,657	197	1,059	..	126	402	..	9
	All ages Total	5,830	3,251	756	653	..	866	43	15,460	548	2,958	..	318	1,066	..	31
Outworkers (c)	Males	—	64	—	—	..	—	—	3	—	—	..	—	—	..	—
	Females	3	—	—	—	..	—	—	—	—	—	..	—	—	..	—
Northern Ireland		(a)	(a)	(a)								(a)(d)	(d)	(a)		
Operatives	Under 18 Males	..	..	..	..	..	..	..	316	43	107	..	..	..	..	..
	Females	..	..	..	..	..	..	..	2	—	11	..	..	..	..	..
	All ages Males	..	..	..	..	..	..	..	3,454	320	1,467	..	..	..	..	..
	Females	..	..	..	..	..	..	..	129	—	298	..	..	..	..	..
	All ages Total	..	..	..	..	..	..	..	3,583	320	1,765	..	..	..	..	..
Administrative, Technical and Clerical	Under 18 Males	..	..	..	..	..	..	..	46	2	1	..	..	..	..	..
	Females	..	..	..	..	..	..	..	46	7	10	..	..	..	..	..
	All ages Males	..	..	..	..	..	..	..	656	30	169	..	..	..	..	..
	Females	..	..	..	..	..	..	..	238	21	174	..	..	..	..	..
	All ages Total	..	..	..	..	..	..	..	894	51	343	..	..	..	..	..
Outworkers	Males	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	Females	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
United Kingdom		(d)	(d)									(d)	(d)			
Operatives	Under 18 Males	9,148	3,527	3,637	3,209	138	1,463	746	18,551	1,879	9,193	980	2,757	2,299	190	365
	Females	107	30	440	443	52	15	70	1,661	54	2,774	655	3,130	58	567	548
	All ages Males	184,738	49,698	55,416	57,183	3,331	23,157	12,186	348,416	24,000	141,025	26,801	55,487	58,365	6,325	6,041
	Females	2,297	729	8,205	6,674	1,203	880	1,059	40,747	1,296	59,576	14,503	54,689	839	6,248	7,293
	All ages Total	187,035	50,427	63,621	63,857	4,534	24,037	13,245	389,163	25,296	200,601	41,304	110,176	59,204	12,573	13,334
Administrative, Technical and Clerical	Under 18 Males	798	395	393	187	6	310	77	2,800	91	1,168	370	655	52	93	58
	Females	706	325	948	456	20	351	146	5,888	230	3,273	754	1,453	317	245	172
	All ages Males	17,895	7,622	10,167	6,807	626	5,893	2,525	79,232	3,134	46,516	9,574	24,547	8,952	2,026	1,831
	Females	4,819	2,272	5,724	3,034	274	2,261	1,042	36,850	1,447	24,377	5,031	12,210	4,224	1,437	1,258
	All ages Total	22,714	9,894	15,891	9,841	900	8,154	3,567	116,082	4,581	70,893	14,605	36,757	13,176	3,463	3,089
Operatives and Administrative, Technical and Clerical	Total	209,749	60,321	79,512	73,698	5,434	32,191	16,812	505,245	29,877	271,494	55,909	146,933	72,380	16,036	16,423
Outworkers (c)	Males	3	64	5	6	42	2	—	23	4	61	..	10	1	..	23
	Females	3	—	45	72	1	1	(b)	60	8	694	..	50	15	..	238
Excluded employees																
Canteen	Males	44	6	37	26	2	17	5	293	15	172	24	100	—	10	4
	Females	647	158	879	392	87	165	176	4,637	214	2,287	536	1,303	7	180	119
Other (e)	Males	898	10	788	68	66	35	108	4,397	2,999	932	129	328	88	79	58
	Females	89	4	655	34	12	28	30	1,672	770	470	39	107	24	41	20

(For notes see page 4/13)

Analysis of Sales

Larger establishments in Great Britain: Firms' own production and merchanted goods

Table 3 (1)

(i) Value of sales (£'000) (ii) Percentage of total sales	Shipbuilding and Ship Repairing	Marine Engineering	Machine Tools	Textile Machinery and Accessories	Small Arms	Constructional Engineering (a)	Mechanical Handling Equipment	Printing and Bookbinding Machinery	Mechanical Engineering (General)	Mechanical Engineering (Repairing)	Electrical Engineering (General)	Electric Wires and Cables	Radio and Telecommunications	Batteries and Accumulators	Electric Lighting Accessories and Fittings	
	A	B	C	D	E	F	G	H	I	J	K	L	Private Firms M (1)	Government Establishments M (2)	N	O
Transfers to other organisations under the same control																
Productive works ... (i)	17,675	3,306	6,728	2	1,249	332	484	18,085	676	(b)	2,987	3,181	(b)	(b)	(b)	(b)
	37.0	3.4	8.9	0.1	4.4	0.9	2.6	3.0	7.4	..	2.8	2.4	..	..	..	..
Sales organisations abroad ... (i)	1,620	2,677	(b)	—	264	730	829	14,323	—	13,834	7,078	4,545	(b)	(b)	(b)	(b)
	3.4	2.7	..	..	0.9	2.0	4.4	2.3	..	5.0	6.6	3.4	..	..	..	..
Retail shops, etc. ... (i)	—	1	(b)	—	2	—	—	663	(b)	(b)	—	1,393	—	—	—	—
	..	..	..	..	..	..	..	0.1	..	..	..	1.7	..	..	..	..
Other selling organisations (including export sales organisations in the United Kingdom) (i)	110	2,862	(b)	(b)	112	640	336	33,716	(b)	16,691	4,153	22,218	—	2,257	1,249	7.8
	0.2	2.9	..	..	0.4	1.8	1.8	5.5	..	6.0	3.9	16.9	..	8.6	7.8	..
Total transfers to other organisations under the same control (i)	19,405	8,847	19,330	(b)	1,627	1,702	1,650	66,787	799	41,660	14,217	31,337	—	3,757	1,942	12.2
	40.7	9.0	25.6	..	5.7	4.7	8.8	10.9	8.7	15.0	13.2	23.8	..	14.3	12.2	..
Sales to independent buyers in the United Kingdom																
Retailers (including caterers and N.A.A.F.I. for resale) (i)	(b)	775	44	396	121	37	—	22,769	279	10,248	860	21,880	(b)	1,138	(b)	1,138
	0.3	0.8	0.1	11.6	0.4	0.1	..	3.7	3.0	3.7	0.8	16.6	..	7.1	..	7.1
Direct to the public, including employees (i)	(b)	71	39	121	476	99	13	5,509	710	946	16	511	7	(b)	25	(b)
	0.1	0.1	0.1	3.5	1.7	0.3	0.1	0.9	7.7	0.3	..	0.4	0.3	..	0.2	..
Industrial, commercial, trade and institutional users (i)	20,896	56,768	31,153	1,866	19,339	25,630	8,430	322,400	6,404	151,385	60,312	42,732	951	9,554	4,640	4.6
	43.8	57.8	41.3	54.4	68.2	70.9	44.9	52.7	69.7	54.4	56.1	32.4	43.7	36.4	29.1	29.1
Wholesalers and merchants, whether for sale in this country or for export (i)	290	13,216	5,590	233	1,212	1,627	2,022	45,286	469	26,755	14,574	11,292	1,218	5,456	7,019	44.0
	0.6	13.5	7.4	6.8	4.3	4.5	10.8	7.4	5.1	9.6	13.6	8.6	56.0	20.8	44.0	44.0
Total sales to independent buyers in the United Kingdom (i)	21,368	70,830	36,826	2,617	21,148	27,393	10,466	395,965	7,861	189,335	75,762	76,415	2,175	17,979	12,821	80.3
	44.8	72.1	48.8	76.3	74.6	75.8	55.7	64.8	85.6	68.0	70.5	58.0	100.0	68.5	80.3	80.3
Exports invoiced to Crown Agents and purchasing houses in this country of individual firms and Governments abroad (i)	1,043	4,751	1,788	(b)	3,252	1,545	818	28,980	157	12,029	4,523	8,082	—	982	590	3.7
	2.2	4.8	2.4	..	11.5	4.3	4.4	4.7	1.7	4.3	4.2	6.1	..	3.7	3.7	3.7
Sales invoiced direct to independent buyers abroad (i)	5,896	10,137	17,523	448	2,314	5,479	5,856	85,862	369	35,347	12,936	15,989	—	1,746	613	6.6
	12.4	10.3	23.2	13.1	8.2	15.2	31.1	14.0	4.0	12.7	12.0	12.1	..	6.6	3.8	3.8
Unclassified sales to independent buyers (i)	—	3,677	—	—	—	—	—	33,601	—	—	—	—	—	1,791	—	—
	..	3.7	..	..	..	..	..	5.5	..	..	..	..	..	6.8	..	..
Sales of firms' own production ... (i)	47,241	81,390	71,219	3,156	28,341	35,205	16,719	567,851	3,310	258,726	102,949	124,521	2,026	24,443	15,486	97.0
	99.0	82.8	94.4	92.0	100.0	97.5	89.0	92.9	36.0	92.9	95.8	94.5	93.2	93.1	97.0	97.0
Sales of merchanted goods (c) ... (i)	470	16,851	4,248	274	—	914	2,071	43,344	5,876	19,645	4,490	7,302	149	1,812	480	3.0
	1.0	17.2	5.6	8.0	..	2.5	11.0	7.1	64.0	7.1	4.2	5.5	6.8	6.9	3.0	3.0
Total sales ... (i)	47,711	98,241	75,467	3,430	28,341	36,119	18,790	611,195	9,186	278,371	107,438	131,823	2,175	26,255	15,966	100.0
	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Larger establishments in Northern Ireland: Firms' own production

Table 3 (2)

Transfers to other departments of the same firm in Northern Ireland (i)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Sales through shipping houses, etc., in Great Britain and Northern Ireland for ultimate sale to places outside the United Kingdom (i)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Other sales to customers in Northern Ireland (i)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Other sales to customers in Great Britain (i)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Sales invoiced direct to customers outside the United Kingdom (i)	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

Total sales ... (i)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)

(For notes see page 4/13)

Notes to Tables

Table 1

- (a) Owing to the risk of disclosure of information relating to individual firms, particulars for establishments in Northern Ireland employing on average 10 persons or more cannot be given separately and have been included with those for England.
- (b) In this trade output was recorded mainly in terms of value of work done during the year of return.
- (c) Excluding outworkers.
- (d) Excluding particulars relating to any firms in Northern Ireland employing on average 10 persons or fewer; the corresponding particulars recorded for 1949 were as follows (an asterisk indicates that, owing to the risk of disclosure of information relating to individual firms, these particulars cannot be given):

Trade	A	B	C	D	E	G	H	I	J	K	L	M (1)	M (2)	N	O
Number of returns ...	*	—	—	5	—	—	—	11	32	41	—	*	—	—	*
Average number employed (including working proprietors)	*	—	—	26	—	—	—	73	157	235	—	*	—	—	*

- (e) Owing to the risk of disclosure of information relating to individual firms, particulars for Wales cannot be given separately and have been included with those for England.
- (f) No production was recorded in this trade in Northern Ireland.
- (g) Owing to the risk of disclosure of information relating to individual firms, particulars for Wales and for larger establishments in Northern Ireland cannot be given separately and have been included with those for England.
- (h) Establishments in this trade in Northern Ireland in 1935 are included in the Mechanical Engineering (General) Trade—I.
- (i) Owing to the risk of disclosure of information relating to individual firms, particulars for Wales and Scotland cannot be given separately and have been included with those for England.
- (j) Including constructional engineering and the manufacture and repair of textile machinery.
- (k) A large number of small firms that were previously classified to the Mechanical Engineering (General) Trade—I were classified for 1950 to the Mechanical Engineering (Repairing) Trade—J.
- (l) Separate information relating to private firms and government establishments is not available for Northern Ireland and all particulars have been included in the report for private firms.
- (m) The proportion of the net output of the United Kingdom recorded in Northern Ireland was less than 1 per cent. for 1950 and 1949 in Trades M (1) and O.
- (n) Production in government establishments only was recorded in this trade in Northern Ireland.

Table 2

- (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) Owing to the risk of disclosure of information relating to individual firms separate particulars cannot be given.
- (c) Average number employed during the year.
- (d) Separate information relating to private firms and government establishments is not available for Northern Ireland and all particulars have been included in the report for private firms.
- (e) Employees in Great Britain engaged, for example, in merchanting, and welfare employees in Northern Ireland.

Table 3

- (a) These figures refer only to establishments which sold no merchanted goods during the year; see also Note on Overlap Trades below.
- (b) Owing to the risk of disclosure of information relating to individual firms separate particulars cannot be given.
- (c) The stocks of goods purchased for merchanting by establishments in Great Britain, held at the beginning and end of year respectively, were as follows: Trade A £200,000, £246,000; B £33,000, £30,000; C £2,630,000, £2,651,000; D £502,000, £578,000; E £36,000, £55,000; G £139,000, £144,000; H £210,000, £223,000; I £6,810,000, £6,489,000; J £1,081,000, £1,196,000; K £2,183,000, £2,232,000; L £294,000, £254,000; M (1) £962,000, £1,235,000; M (2) £146,000, £329,000; N £296,000, £287,000; O £37,000, £42,000.

Note on Overlap Trades

In the Constructional Engineering Trade—F, census of production returns were required, in Great Britain for 1950, only from establishments that sold no merchanted goods during the year; other establishments in this trade (i.e. which engaged in merchanting as well as production) made returns in the census of distribution. An analysis of sales by the establishments covered by the census of production is shown in Table 3, and the other information obtained is summarised below. Comparable information is not available for earlier years.

	England	Wales	Scotland	Great Britain
Establishments employing on average more than 10 persons: number ...	260	9	38	307
Total employment including working proprietors				
Males ...	40,205	1,575	9,770	51,550
Females ...	2,789	68	712	3,569
Firms employing on average 10 or fewer: number of returns ...	83	1	5	89
Average number employed including working proprietors ...	582	7	43	632

In Northern Ireland the census of production was taken for this trade in the normal way, with complete coverage for larger establishments, but owing to the risk of disclosure of information relating to individual firms the information obtained cannot be given.

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