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BOARD OF TRADE

FINAL REPORT  
on the  
CENSUS OF PRODUCTION  
FOR 1948

Volume 3

Trade H

SCRAP METAL



*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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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 by H.M. Stationery Office entitled "Final Reports of the Census of Production for 1948: Introductory Notes", price 2s Od. NET

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\* Not applicable to this trade

SCRAP METAL TRADE

THIS REPORT on the Scrap Metal Trade relates to establishments engaged in the processing of and/or dealing in scrap iron, scrap steel and non-ferrous scrap metals, including three Government establishments.

This trade corresponds to minimum list headings 99(8) and 241(1) in the Standard Industrial Classification.

Any establishments in this trade in Northern Ireland are excluded in 1948. This trade was not covered in 1935.



## DISTRIBUTIVE TRADES

## SCRAP METAL TRADE

## Summary

## Larger establishments

TABLE 1

	1948
Gross output (production)	£'000 65,165
Cost of materials and fuel used	51,412
Payment for work done on materials given out	2,581
Net output	11,172
Wages and salaries of persons employed	5,003
Average number of persons employed	No. 14,756(a)
Net output per person employed	£ 757
Stocks at end of year	£'000 4,601
Number of establishments	No. 326

(a) For an estimate of the total number of persons employed in this trade see Table 3.

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

	1948
Output of firms in this trade	£'000
Total value of sales	
Principal products (see Table 8)	68,292
Other output (see Table 10)	218
	68,510
Less payment for transport by other firms	3,345
Gross output (production)	65,165
Materials and fuel used by firms in this trade	
Purchases (see Table 13)	52,304
Adjustment for changes in stocks (see Table 14)	- 892
Materials and fuel used	51,412

## Summary, 1948

## Small firms in Great Britain

TABLE 2

Number of returns	1,050
Average number of persons employed (a)	
Males	4,878
Females	662
Total	5,540

(a) Including working proprietors.

## Estimated average employment, 1948

## All firms in Great Britain

TABLE 3

As returned by firms	
Employing on average more than ten persons (a)	14,756
Employing on average ten persons or less (b)	5,540
Estimated average employment in firms not making satisfactory returns	20,296
	709
Estimated average employment in all firms	21,005

(a) See Tables 1 and 15.

(b) See Table 2.

## Analysis by size, 1948

## Larger establishments in Great Britain

TABLE 4

Average number employed	Establishments	Gross output	Net output	Persons employed	Remuneration			Net output per person employed
					Wages	Salaries	Total	
	No.	£'000	£'000	No.	£'000	£'000	£'000	£
11-24	156	9,928	1,889	2,750	611	268	879	687
25-49	92	28,933	2,555	3,152	708	366	1,075	811
50-99	47	16,674	2,840	3,159	801	327	1,127	899
100-199	21	6,362	2,326	2,938	704	250	953	792
200-299	7	2,392	1,104	1,695	505	128	633	651
300 and over	3	875	458	1,062	299	37	336	431
Total	326	65,165	11,172	14,756	3,627	1,376	5,003	757



## Analysis by standard region, 1948

## Larger establishments in Great Britain

TABLE 5

Region	Establishments	Gross output	Net output		Persons employed	Remuneration		
			Value	Percentage of total		Wages	Salaries	Total
England	No.	£'000	£'000		No.	£'000	£'000	£'000
Northern	25	2,639	651	5.8	1,152	273	92	366
East and West Ridings of Yorkshire	40	5,420	1,458	13.1	1,684	375	161	537
North Midland	11	835	214	1.9	386	104	24	128
Eastern	15	1,448	409	3.7	535	140	42	182
London and South Eastern	62	31,847	2,581	23.1	2,933	683	427	1,110
Southern	8	542	136	1.2	301	69	22	91
South Western	10	310	134	1.2	228	53	9	62
Midland	48	11,546	1,893	16.9	2,085	485	249	734
North Western	44	4,676	1,213	10.9	1,512	339	146	486
Total England	263	59,263	8,688	77.8	10,816	2,523	1,173	3,696
Wales	21	1,505	706	6.3	1,008	275	63	339
Scotland	42	4,398	1,778	15.9	2,932	829	140	969
Great Britain	326	65,165	11,172	100.0	14,756	3,627	1,376	5,003

TABLE 6 - Analysis according to specialisation within the trade, 1948

## Larger establishments in Great Britain

No specialisation with this trade was distinguished.

TABLE 7 - Total make of intermediate products: Larger establishments

This table is not applicable to the trade.

## Sales in the trade of principal products

## Larger establishments

TABLE 8

	1948 Sales		
	Quantity	Value	Entries
Scrap metal	Th. tons	£'000	No.
Iron and steel			
Invoiced to other scrap merchants	1,166.2	5,953	217
Invoiced to consumers	5,524.4	28,927	226
Non-ferrous			
Invoiced to other scrap merchants	85.4	5,820	204
Invoiced to consumers	291.2	22,141	172
Second-hand spare parts for motor vehicles			
Invoiced to other scrap merchants	..	1	5
Invoiced to other persons	..	32	9
Re-usable materials (machinery parts, etc.) (a)	72.9	1,485	80
	..	665	
Reconditioned machinery (a)	..	452	15
Other scrap and waste material sold (excluding second-hand motor vehicles, etc., merely bought and re-sold) (a)	123.5	265	44
	..	170	
Repair and other work done for customers, including work done for the trade		106 (b)	27
Dismantling, demolition, breaking up and similar work done for other firms, etc. (a)		2,274 (b)	58
Total		68,292	299

(a) So far as recorded separately.

(b) Amount charged.

TABLE 9 - Sales of principal products of the trade by establishments classified to other trades: Larger establishments

This table is not applicable to the trade. Details of sales of scrap metal by the metal manufacture and metal goods trades, etc. will be given in a later summary volume.

TABLE 10 - Sales in the trade of other than principal products: Larger establishments

The total value of the sales in 1948 of other than principal products amounted to £218,000.



TABLE 11

	Sales	Percentage of total sales
	£'000	
Sales (or transfers) to other organisations under the same control		
Productive works	285	0.4
Export sales organisations (including branches abroad)	445	0.7
Other wholesale or selling organisations	80½	1.2
Retail shops, etc.	-	-
Total sales (or transfers) to other organisations under the same control	1,534	2.3
Sales to independent buyers		
Exports invoiced directly overseas	2,776	4.2
Exports invoiced to Crown Agents and purchasing houses in this country of individual firms and governments abroad	141	0.2
His Majesty's Government and Local Authorities (other than productive establishments)	401	0.6
Manufacturers, repairers, builders, mines, public utilities, and transport and other productive undertakings	46,848	70.8
Wholesalers, merchants and other agents for resale	14,139 (a)	21.4
Retailers, including multiple shops, caterers and N.A.A.F.I., for resale	13	-
Other businesses (including farmers) and institutions of all kinds	208	0.3
Members of the public, including employees	70	0.1
Total sales to independent buyers	64,596	97.7
Total	66,129	100.0

(a) Of this total £10,239,000 was recorded as divided between £738,000 for export and £9,501,000 for other sales.

TABLE 12 - Production, exports and imports of certain principal products

This table is not applicable to the trade.

TABLE 13

	1948	
	Quantity	Cost
	Th. tons	£'000
Materials		
Ships for breaking up	..	941
Buildings and plant for demolition or dismantlement	..	262
Scrap metal		
Iron and steel		
Merchant (i.e., bought and sold without being handled)	2,605.5	8,313
Other	3,550.8	16,776
Non-ferrous		
Merchant (i.e., bought and sold without being handled)	102.4	6,502
Other	248.8	16,016
Motor vehicles bought for scrap	Thous. 1	9
Parts of motor vehicles bought for scrap	Th. tons 1.6	5
All other purchased materials	..	1,541
Unclassified materials	..	1,238
Fuel and electricity		
Coal	20.1	59
Coke	4.4	17
Electricity purchased	Th. B. T. U. (kW. hrs.)	
From public supply	13,031	64
From other sources	..	7
Electricity obtained from other works under the same ownership	839	4
Motor spirit (petrol) and derv. fuel	Th. galls.	
Used for road vehicles	1,322	133
Used for other power purposes	91	8
Other oil fuel (including creosote/pitch mixtures)	..	2
Gas purchased and gas obtained from other works under the same ownership	200	10
All other purchased fuel	Th. therms 259	12
	..	4
Total	..	355
Total		52,304



Stocks of scrap metal and other goods, materials and fuel, 1948  
Larger establishments in Great Britain

TABLE 14

	At beginning of year		At end of year	
	Quantity	Value	Quantity	Value
Scrap metal	Th. tons 443.6	£'000 3,320	Th. tons 442.1	£'000 4,162
Other goods (e.g. reconditioned machinery), materials and fuel	..	389	..	438
Total		3,709		4,601

## Employment and remuneration

## Larger establishments

## (i) Private firms (a)

TABLE 15

	Average number of operatives	Administrative, technical and clerical employees (b)	Total
	1948	1948	1948
Males			
Under 18	428	70	498
All ages	11,218	1,936	13,154
Females			
Under 18	10	166	176
All ages	340	941	1,281
Total			
Under 18	438	236	674
All ages	11,558	2,877 (c)	14,435 (c) (d) (e)
Total remuneration	£'000 3,588	£'000 1,339	£'000 4,927

(a) Excluded employees. The following numbers were employed at private establishments in this trade but are not included in the table or in any other report (e.g., employees in a separate selling or transport organisation for which separate accounts are kept):-

Canteen workers 13 males 91 females  
Other workers 521 males 206 females

(b) Number at September 25, 1948.

(c) There were, in addition, 97 working proprietors (93 males and 4 females) in 1948.

(d) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to £119,000.

(e) The following persons (included in this total) were employed on special work by establishments employing 100 or more persons:-

	Operatives	Administrative, technical and clerical employees
Transport of goods outside the premises	394	
Maintenance and repair of firms' buildings, but not plant	33	
Research work not directly connected with current production however charged	*	6

\* Owing to the risk of disclosure of information relating to individual firms this figure cannot be given.

## (ii) Government Departments (a)

TABLE 15 (contd.)

	Average number of operatives	Administrative, technical and clerical employees (b)	Total
	1948	1948	1948
Males			
Under 18	1	-	1
All ages	133	39	172
Females			
Under 18	1	1	2
All ages	3	49	52
Total			
Under 18	2	1	3
All ages	136	88 (c)	224 (c)
Total remuneration	£'000 39	£'000 38	£'000 76

(a) Excluded employees. The following numbers were employed at Government establishments in this trade but are not included in the table or in any other report:-

Canteen workers - males 3 females  
Other workers - males - females

(b) Number at September 25, 1948.

(c) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to £2,000.



## Wages and salaries paid, 1948(a)

## Larger establishments in Great Britain

TABLE 16

	Amount paid by all establishments	Establishments making returns for the calendar year					
		Amount paid	Percentage of annual remuneration paid in				
			First quarter	Second quarter	Third quarter	Fourth quarter	Year
Wages and salaries of	£'000	£'000					
Operatives	3,827	1,520	22.6	24.5	26.0	26.9	100.0
Administrative, technical and clerical employees	1,376	573	21.9	25.3	23.1	29.7	100.0
Total	5,003	2,093	22.4	24.7	25.2	27.7	100.0

(a) Including bonus and commission payments.

TABLE 17 - Payments for work done on materials given out, 1948

## Larger establishments in Great Britain

The total amount paid for work done on materials given out was £2,581,000.

## Payments for certain services, 1948

## Larger establishments in Great Britain

TABLE 18

	Amount paid
	£'000
Repair and maintenance	
Of buildings	55
Of plant, machinery and vehicles	180
Unclassified	150
Hire of plant, machinery and vehicles	135
Advertising and market research	
Advertising in newspapers, magazines and periodicals	23
Other advertising services (poster display, despatch of circulars, etc.) and market research	5
Unclassified	25
Payments made for research work	
To research associations	1
To universities, institutions, academic bodies and similar agencies	-
To other commercial concerns	8
Postage, telephone, telegrams and cables	103
Commercial insurance premiums	139
Rates (excluding water rates) payable in the year	34



## Plant, machinery and vehicles acquired and disposed of, 1948

## Larger establishments in Great Britain

TABLE 19

	Acquisitions		Disposals
	New	Second-hand	
	£'000	£'000	£'000
Plant and machinery	286	91	226
Vehicles	194	66	33
Total	480	157	259

## Capital expenditure on building work and changes in occupation of buildings and land, 1948

## Larger establishments in Great Britain

TABLE 20

	£'000	£'000
1. Capital expenditure on building work (a)		129
2. Existing buildings and land (b)		
(1) Capital cost of freeholds bought	113	
Estimated capital value of		
(11) Rented property newly occupied in the year (c)	30	
(111) Leasehold buildings and land newly occupied in the year	14	
Total of heading 2		158
Total of headings 1 and 2		287
3. Existing buildings and land relinquished (d)		6
4. Headings 1 and 2 less heading 3		281

- (a) Excluding site value which, where appropriate, is included in heading 2(1).  
 (b) The figures do not reflect changes in ownership of previously occupied land and buildings  
 (c) Property which is occupied under an agreement for the payment of rent without the purchase of a lease or the payment of a premium.  
 (d) Including property destroyed or abandoned.

1948

## Summary

## Larger establishments

TABLE 21

	England	Wales	Scotland	Great Britain
	£'000	£'000	£'000	£'000
Gross output (production)	59,263	1,505	4,398	65,165
Cost of materials and fuel used	48,010	798	2,605	51,412
Payment for work done on materials given out	2,565	1	15	2,581
Net output	8,688	706	1,778	11,172
Wages and salaries of persons employed	3,696	339	969	5,003
Average number of persons employed	No. 10,816	No. 1,008	No. 2,932	No. 14,756
Net output per person employed	£ 803	£ 700	£ 603	£ 757
Stocks at end of year	£'000 4,084	£'000 72	£'000 445	£'000 4,601
Number of establishments	No. 263	No. 21	No. 42	No. 326

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

	England	Wales	Scotland	Great Britain
	£'000	£'000	£'000	£'000
Output of firms in this trade				
Total value of sales (see Table 23)	62,455	1,571	4,485	68,510
Less payment for transport by other firms	3,192	66	87	3,345
Gross output (production)	59,263	1,505	4,398	65,165
Materials and fuel used by firms in this trade				
Purchases (see Table 24)	48,336	791	2,577	52,304
Adjustment for changes in stocks	- 926	+ 6	+ 28	+ 892
Materials and fuel used	48,010	798	2,605	51,412



Summary  
Small firms

TABLE 22

	England	Wales	Scotland	Great Britain
Number of returns	911	59	80	1,050
Average number of persons employed (a)				
Males	4,224	269	385	4,878
Females	589	32	41	662
Total	4,813	301	426	5,540

(a) Including working proprietors.

Sales in the trade  
Larger establishments

TABLE 23

	England and Wales		Scotland		Great Britain	
	Quantity	Value	Quantity	Value	Quantity	Value
	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Principal products						
Scrap metal						
Iron and steel						
Invoiced to other scrap merchants	1,135.0	5,801	31.3	152	1,166.2	5,953
Invoiced to consumers	5,126.8	27,266	397.6	1,662	5,524.4	28,927
Non-ferrous						
Invoiced to other scrap merchants	76.9	5,307	8.5	513	85.4	5,820
Invoiced to consumers	282.5	21,479	8.7	662	291.2	22,141
Second-hand spare parts for motor vehicles						
Invoiced to other scrap merchants	..	1	-	-	..	1
Invoiced to other persons	..	(a)	..	(a)	..	32
Re-usable materials (machinery parts, etc.)	68.5	1,407	4.4	78	72.9	1,485
	..	372	..	293	..	665
Reconditioned machinery	..	(a)	..	(a)	..	452
Other scrap and waste material sold (excluding second-hand motor vehicles, etc., merely bought and re-sold)	120.8	251	2.8	14	123.5	265
	..	134	..	36	..	170
Repair and other work done for customers, including work done for the trade		(a)		(a)		106(b)
Dismantling, demolition, breaking up and similar work done for other firms, etc. (b)		1,222		1,052		2,274
Total principal products		63,808		4,485		68,292
Other output	..	218	-	-	..	218
Total		64,026		4,485		68,510

(a) Owing to the risk of disclosure of information relating to individual firms separate figures cannot be given.  
(b) Amount charged.



## Purchased materials and fuel

## Larger establishments

TABLE 24

	England and Wales		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. tons	£'000	Th. tons	£'000	Th. tons	£'000
Materials						
Ships for breaking up	..	(a)	..	(a)	..	941
Buildings and plant for demolition or dismantlement	..	166	..	96	..	262
Scrap metal						
Iron and steel						
Merchanted (i.e., bought and sold without being handled)	2,505.9	7,978	99.7	335	2,605.5	8,313
Other	3,261.2	15,930	289.6	846	3,550.8	16,776
Non-ferrous						
Merchanted (i.e., bought and sold without being handled)	102.0	6,483	0.4	19	102.4	6,502
Other	233.9	15,192	14.9	824	248.8	16,016
					Thous.	
					1	
Motor vehicles bought for scrap	..	(a)	..	(a)	Th. tons	9
					1.6	5
Parts of motor vehicles bought for scrap	..	(a)	..	(a)	8.1	21
					..	7
All other purchased materials	..	1,314	..	226	..	1,541
Unclassified materials	..	1,238	-	-	..	1,238
Fuel and electricity						
Coal	13.1	40	7.0	20	20.1	59
Coke	4.0	16	0.4	2	4.4	17
Electricity purchased	Th. B. T. U. (kW. hrs.)		Th. B. T. U. (kW. hrs.)		Th. B. T. U. (kW. hrs.)	
From public supply	9,870	50	3,160	14	13,031	64
	..	6	..	1	..	7
From other sources	..	(a)	..	(a)	839	4
Electricity obtained from other works under the same ownership	-	-	-	-	-	-

TABLE 24 (contd.)

	England and Wales		Scotland		Great Britain	
	Quantity	Cost	Quantity	Cost	Quantity	Cost
	Th. galls.	£'000	Th. galls.	£'000	Th. galls.	£'000
Fuel and electricity (contd.)						
Motor spirit (petrol) and derv. fuel						
Used for road vehicles	1,216	122	106	11	1,322	133
Used for other power purposes	74	6	17	2	91	8
	..	2	..	..	..	2
Other oil fuel (including creosote/pitch mixtures)	144	7	57	3	200	10
	Th. therms		Th. therms		Th. therms	
Gas purchased and gas obtained from other works under the same ownership	252	11	6	-	259	12
	..	2	..	2	..	4
All other purchased fuel	..	194	..	161	..	355
Total		49,727		2,577		52,304

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



Employment and remuneration  
Larger establishments  
Private firms (a)

TABLE 25

	England and Wales			Scotland			Great Britain		
	Average number of operatives	Administrative, technical and clerical employees (b)	Total	Average number of operatives	Administrative, technical and clerical employees (b)	Total	Average number of operatives	Administrative, technical and clerical employees (b)	Total
Males									
Under 18	358	53	411	70	17	87	428	70	498
All ages	8,672	1,701	10,373	2,546	235	2,781	11,218	1,936	13,154
Females									
Under 18	10	143	153	-	23	23	10	166	176
All ages	328	815	1,143	12	126	138	340	941	1,281
Total									
Under 18	368	196	564	70	40	110	438	236	674
All ages	9,000	2,516 (c)	11,516 (c) (d)	2,558	361 (c)	2,919 (c) (d)	11,558	2,877 (c)	14,435 (c) (d)
Total remuneration	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000	£'000
	2,760	1,198	3,958	829	140	969	3,588	1,339	4,927

(a) All Government establishments classified to this trade were in England; for particulars of employment and remuneration therein see Table 15.

(b) Number at September 25, 1948.

(c) There were, in addition, 97 working proprietors (93 males and 4 females) in Great Britain; 80 males and 4 females in England and Wales, and 13 males in Scotland.

(d) The employers' share of contributions to all National Insurance Schemes payable during the year in respect of these workers amounted to a total of £119,000; £94,000 for England and Wales, and £25,000 for Scotland.

Monthly Index of employment of operatives: Larger establishments  
(average employment in 1948 = 100)

TABLE 26

Month	Monthly index (a)			Month	Monthly index (a)		
	England and Wales	Scotland	Great Britain		England and Wales	Scotland	Great Britain
1948				1948			
January	98.4	94.1	97.0	August	99.4	96.0	98.3
February	99.4	96.0	98.3	September	98.9	98.5	98.8
March	98.9	98.5	98.8	October	99.3	100.8	99.7
April	99.3	100.8	99.7	November	100.7	104.4	101.9
May	100.7	104.4	101.9	December	103.3	106.2	104.3
June	103.3	106.2	104.3	Percentage employment in this trade covered by the index			
July	98.4	94.1	97.0		35.2	61.7	41.0

(a) The index numbers are calculated from the number of operatives employed in one week in each month returned by larger establishments that made returns for the calendar year 1948.



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