

BOARD OF TRADE

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Report on the Census of Production 1963

45 Textile machinery and accessories

LONDON: HER MAJESTY'S STATIONERY OFFICE PRICE FOUR SHILLINGS NET

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Report on the Census of Production 1963

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Presented by the Board of Trade to Parliament in pursuance of the Statistics of Trade Act 1947 (10 & 11 Geo. 6 Cha. 39 Sec. 7)

LONDON: HER MAJESTY'S STATIONERY OFFICE 1968

These notes give the main information needed for interpreting the figures in the industry reports. (More detailed information about the Census is given in a separate booklet - 'Introductory Notes': Part 1 of the Report on the Census of Production for 1963.)

GENERAL INFORMATION

Changes in the 1963 census

There were few changes resulting from amendments to the Standard Industrial Classification and only minor changes in the scope of certain industry reports compared with 1958. Any such changes are explained in the introductions to the industry reports concerned or by footnotes to the tables.

Industrial Classification

Establishments were classified to industries on the basis of major activity in conformity with the second edition of the Standard Industrial Classification (Consolidated Edition 1963, incorporating Amendment 1). Each industry was basically defined in terms of its principal products, these being of a similar nature or commonly associated in production. Normally, an establishment was classified to an industry if its sales of the principal products of that industry accounted for a greater proportion of its total sales than did its sales of the principal products of any other industry. However, where the application of this rule would have resulted in a change of classification between 1958 and 1963, the establishment was reclassified only if the sales of principal products of the newly predominant industry was more than one third greater than the sales of principal products of the previously predominant industry. This modification of the general rule was introduced for 1958 to avoid discontinuities which would result from marginal changes in sales between successive censuses.

The principle of classification by major output was also normally followed in compiling the analysis by sub-divisions of an industry.

In certain industries, classification was dealt with in a different way. Details of any non-standard treatment are given in the introductions to the relevant industry reports.

TERMS USED IN THE CENSUS REPORT

Average number employed

Firms were required to state the number of persons on the payroll (i.e. whose National Insurance cards were held by them) on the average during the year of return, whether fulltime or part-time employees. Separate figures were required for (a) administrative, technical and clerical employees and (b) operatives (see below). Averages could be calculated from figures relating to the last week of each calendar month; figures shown in respect of the average number employed relate to the sum of these averages. Firms were also required to state the number of working proprietors (see below) where appropriate and these are included in total employment figures. Outworkers are excluded.

The figures include persons engaged in merchanting or factoring and canteen workers where particulars in respect of these activities could not be excluded from the return.

Working Proprietors

These include all persons regarded as 'self-employed' for National Insurance purposes, and members of their families who worked in the business without receiving a fixed wage or salary; but persons who worked less than half the normal number of working hours are excluded. For Great Britain, directors working in the business but not in receipt of a definite wage, salary or commission are included under this heading for 1963, but are excluded for 1958. For Northern Ireland, directors of limited companies, other than those paid by fee only, are included for both years. (Directors paid by fee only are not included in any of the employment figures for either year.)

Employees

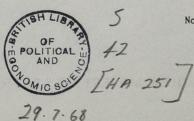
- (i) Administrative, technical and clerical employees include managers, superintendents and works foremen; research, experimental, development, technical and design employees (other than operatives); draughtsmen and tracers; editorial staff, staff reporters, canvassers, competition and advertising staff; travellers; and office (including works office) employees. For Great Britain, but not for Northern Ireland, they include also managing and other directors in receipt of a definite wage, salary or commission.
- (ii) Operatives include all other classes of employees, that is, broadly speaking, all manual wage earners. They include those employed in and about the factory or works; operatives employed in power houses, transport work, stores, warehouses, shops and canteens; inspectors, viewers and similar workers; maintenance workers; and cleaners. Operatives engaged in outside work of erection, fitting, etc. are also included, but outworkers (i.e. persons employed by the firm who worked in their own homes, etc. on materials supplied by the firm) are excluded. Information about the numbers of outworkers employed was collected only for the gloves industry.

Capital Expenditure

(i) New building work.

This represents the cost incurred during the year of new building and other new constructional work (including office buildings, canteens and the like used in connection with the business covered by the return but not dwelling houses for employees). The value is that charged to capital account during the year of return; it includes expenditure on new buildings or on the extension or reconstruction of old buildings, the value of work of a capital nature carried out by firms' own staff, and the cost of any newly constructed buildings purchased. The figures shown include any legal charges, stamp duties, agents' commissions, etc.

Notes - continued on pages iii and iv



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Textile machinery and accessories

This Report on the Textile Machinery and Accessories Industry relates to establishments engaged wholly or mainly in manufacturing textile spinning, winding, weaving, knitting, printing, dyeing, etc. machinery, and accessories such as bobbins, combs, reeds, rollers, shuttles, sliver cans, spindles, spools and teasel rods.

This industry corresponds to minimum list heading 335 in the Standard Industrial Classification (Consolidated edition, 1963).

TREATMENT OF PARTS

In reports for this and other mechanical engineering industries, a distinction is made between parts sold in association with the sale of complete machines, and other parts sold. The only parts shown in Table 5 are those included on returns (whether classified to this or to other industries) which also showed sales of textile machinery; where the return was classified to another industry, these parts are also shown, together with the complete machines and accessories in Table 6.

Parts of textile machinery included in returns which showed no sales of the complete machines and accessories are treated as principal products of the General Mechanical Engineering Industry (Part 52) whether made by general engineering firms or by specialist manufacturers of other types of machinery.

Sales of all parts of textile machinery (i.e. whether or not sold in association with the sale of the complete machines) are brought together in Table 14 in this report.

METHOD OF CLASSIFICATION

In classifying returns to this industry sales of parts of textile machinery and work done (other than structural and installation work), including repair work, were not taken into account unless they exceeded 80 per cent. of the total output of the return (in which case the return was classified to General Mechanical Engineering (Part 52)). Exceptionally, however, parts of textile machinery and accessories were taken into account where the return would otherwise have been classified outside the mechanical engineering group of industries. The standard classification procedure was further modified where a return would have been classified to one of the mechanical engineering industries relating to a specific class of machinery (viz., Parts 41 to 50 inclusive), but the sales of the principal products of the industry concerned accounted for less than 20 per cent. of the total output: in such cases the return was classified to the residual subdivision of the Miscellaneous (Non-electrical) Machinery Industry (Part 49).

For 1963, but not for earlier censuses, the amount charged for erecting and installing machinery and plant (other than air conditioning, heating and ventilating plant) was treated as part of the selling value of these items in determining the industrial classification of returns.

In interpreting the data in the tables it is essential to bear in mind the notes and definitions which appear on pages (ii), (iii) and (iv).

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TABLE 1 Industry summary: United Kingdom Estimates for all firms, 1958 and 1963 (a)

	pint	Unit	1958	1963
Number of enterprises	-OH Average	No.	617	499
Number of establishments	Winds september output unique	SET THE SE	686	568
Gross output	000.2	€,000	76,680	120,251
Net output		•	42,950	65,399
Net output per head	2 nel 1 rose 1 rose 1 rose 1 rose 1	3	874	1,352
4 88,352, 105,548 (b)	goods produced and work done	£'000	73,503	112,679(b)
Sales and work done	merchanted goods and canteen takings	m J some	3,784	6,862
88 200 2008 13	materials for processing and packaging, and fuel	1.411) sligation (46,140
Purchases	goods for merchanting and		30,341	1,007
	canteen purchases	1,199)	5,792
Payments to other	for work done on materials given out	4,038	1,880	2,432
organisations	for transport	1 2.000	596	613
Stocks and work in progress	" al Siens DO NO Propression to		237	rholisations 5.43
Total stocks and work in	change during year	1.610	- 1,521	+ 835
progress	at end of year	5	23,258	34, 191
Goods on hand for sale	change during year	Face Annual Contract	+ 168	+ 231
Obb # 989 -	at end of year	• 1	3,572	4,756
no.o.o. 16,605	change during year		- 775	+ 479
Work in progress	at end of year	. Sharts	11,122	17,960
7,731 10,545	change during year	- 1s	- 914	+ 125
Materials, stores and fu	at end of year	perpulsered	8,564	11,475
	total, including working proprietors	Th.	49.1	48.3
Average number employed	operatives		40.3	38.1
	other employees (c)		8.8	9.6
	of operatives	£'000	22,072	26,237
Wages and salaries	of other employees (c)	· gre	6,463	8,985
Employers' contributions t pension schemes, etc. (d)	National Insurance and private	1.	med toq asina	2,258
Capital expenditure (e)		solizaM c	amijudi in	aployers' co
Total		sylva c	ancisudizin	4,087
New building work			294	892
Land and existing buildi	nes (f)		dixow 3	216
Plant and machinery (f)	413 1,782 Fill anoistatupo		1,213	
Vehicles (f)		485		2,777
Tenrers (1)		1	155	202

⁽a) For 1963, estimates for small firms and for firms not making satisfactory returns accounted for about 8 per cent. of the total figures in which they were incorporated. (For 1958 the comparable figure was 10 per cent.) A summary of the detailed returns received is given in

(b) Including services rendered to other organisations (amounts charged for hiring out plant, machinery and other goods, for providing transport, or for technical or other services rendered).

(c) Administrative, technical and clerical employees.

(d) Including pensions and gratuities paid other than from pension funds.

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

(f) Acquisitions less disposals.

TABLE 2 Summary of returns received from larger firms, 1958 and 1963 Firms employing 25 or more persons: United Kingdom (a)

2501 2501 11	el .	Unit	1958	1963
Number of enterprises	Many Application	No.	158	10124
Number of establishments			214	178
Gross output	To be Tree course through their ages 1000	£'000	69,221	110,506
Net output	rest by appet of experience within the Indust	y, •968	38,771	60,099
Net output per head	it electroness by mer and per, all fisca, inc	£	874	1,352
(d)ata.stf coetat oce	goods produced and work done	£'000	66,352	103,548 (b)
Sales and work done	merchanted goods and canteen takings	AND T	3,416	6,306
Index of specialisation (c)	cortals for sourceants and a lateral	Per cent.	86	83
Park OF THE LOS OF THE PARK OF	materials for processing and packaging, and fuel	£,000	27,389 {	42,401
Purchases	goods for merchanting and canteen purchases			5,323
	for work done on materials given out		1,697	2,235
Payments to other organisations	for transport		538	563
Stocks and work in progress	nece duline your		361	Soors Issur
Stocks and work in progress	change during year		+ 152	+ 213
Goods on hand for sale	at end of year	b] •	3,225	4,371
	change during year		- 699	+ 440
Work in progress	at end of year		10,040	16,505
	change during year		- 825	+ 115
Materials, stores and fuel	at end of year		7,731	10,545
	(total, including working proprietors	No.	44,359	44,444
Average number employed	operatives		36,358	35,461
Average number emproyed	other employees (d)		7,983	8,889
	of operatives	£'000	19,985	24,367
Wages and salaries	of other employees (d)		5,851	8,344
	(operatives (5) asseroings (sairo)	2	550	687
Wages and salaries per head	other employees (d)	moismit c	733	939
Employers' contributions to Na		£,000	(0) .015 .85	1,320
	ivate pension schemes, etc. (f)		(a) eratil	777
Capital expenditure (g)	(1)			legal
New building work			265	820
New Building work	acquisitions	(3) #8/	maring Survey	250
Land and existing buildings	disposals		achinery (f)	51
	(acquisitions		1,217	2,708
Plant and machinery	disposals	· ·	123	156
	[acquisitions	for sm	tolomiles .50	269
Vehicles	disposals	q OI as	236	269
	(dishosais		80	MAURI 60

For notes to this table - see page 45/6

(i) Output, employment, capital expenditure and stocks

Firms employing 25 or more persons: United Kingdom

TABLE 3 Analysis of larger firms by size of enterprise within the industry, 1963

Average number employed by the enterprise in the industry (a)	Enter- prises	Estab- lish- ments	Average number employed (a)	Gross output	Net output	Net output per head	Capital expendi- ture (b)	Total value of stocks and work in progress at end of year
Water Company of the William	Number	Number	Number	£,000	£'000	2	£,000	£'000
25-49	32	33	1,193	2, 194	1,302	1,091	75	406
50-99	28	30	1,924	3,749	1,984	1,031	94	893
100-199	28	36	4,047	8,496	5,214	1,288	120	2,049
200-299	13	16	3, 143	7,788	4,680	1,489	406	1,493
300-399	4	7	1,402	5,098	2,390	1,705	101	1,007
400-499	7	11	3,076	7,151	3,687	1,199	198	1,585
500-749	3	7	1,719	3, 108	1,785	1,038	312	714
750-999	3	10	2,743	6,662	3,950	1,440	382	2,797
1,000-2,999	3	6	5,828	20,279	7,629	1,309	337	4,438
5,000 and over	3	22	19,369	45,981	27,480	1,419	1,730	16,039
Total	124	178	44,444	110,506	60,099	1,352	3,756	31,421

(ii) Employees, wages and salaries, and employers' contributions Firms employing 25 or more persons: United Kingdom

Average number	Empl	oyees	Wages and	d salaries	Emplo contrib	yers'	Wages and salaries per head		
employed by the enterprise in the industry (a)	Oper- atives	Others (c)	Oper- atives	Others (c)	National Insurance (d)	Private pension schemes, etc. (e)	Oper- atives	Others (c)	
frantsg (b	Number	Number	£'000	\$,000	£'000	\$,000	2	2	
25-49	927	232	558	197	40	Istor 80 o	602	847	
50-99	1,586	320	980	290	55	12	618	905	
100-199	3,239	798	1,991	776	112	53	615	972	
200-299	2,545	595	1,681	624	90	39	661	1,049	
300-399	1,106	296	671	275	40	26	607	930	
400-499	2,594	471	1,782	513	93	51	687	1,090	
500-749	1,392	327	889	245	50	18	638	750	
750-999	2,043	700	1,510	680	83	88	739	972	
1,000-2,999	4,320	1,502	3,091	1,534	184	159	7 16	1,022	
5,000 and over	15,709	3,648	11,212	3,209	574	324	714	880	
Total	35,461	8,889	24,367	8,344	1,320	777	687	939	

- (a) Including working proprietors.
- (b) Acquisitions less disposals.
- (c) Administrative, technical and clerical employees.
- (d) Including both flat rate and graduated contributions.
- (e) Including pensions and gratuities paid other than from pension funds. These amounted in total to £146,000.

TABLE 4 Percentage analysis of employees, by age and sex, all firms, 1963: United Kingdom (a)

Ages	Males	Females	All employees		
10007 000	Per cent.	Per cent.	Per cent.		
Under 18	6	1 788	7		
18 and over	80	13	93		
All ages	86	14000	100		

Source: Ministry of Labour

(a) The percentages relate to the numbers employed (excluding working proprietors) at mid-June, 1963.

Footnotes to Table 2.

(a) The following information relates to small firms (employing fewer than 25 persons) in this industry. It includes an estimate for small firms not making satisfactory returns which account for 2 per cent. of the employment shown for 1963 and 5 per cent. for 1958.

1958 1963 461 384

Number of firms

Average number employed:

(b) Including services rendered to other organisations (amounts charged for hiring out plant, machinery and other goods, for providing transport, or for technical or other services

- (c) This is the ratio of total sales of principal products by the industry to the total sales of goods produced and work done.
- (d) Administrative, technical and clerical employees.
- (e) Including both flat rate and graduated contributions.
- (f) Including pensions and gratuities paid other than from pension funds.
- (g) Excluding expenditure for establishments not yet in production.

TABLE 5 Sales of principal products of the industry by larger firms, including sales by establishments classified to other industries, 1958 and 1963

Firms employing 25 or more persons: United Kingdom

September 1	195	8	Quantity	1963		
	Quantity	Value	Quantity	Value	Enter- prises	Entries
OTHER PRODUCTS		£,000	(paun)	\$,000	Number	Number
TEXTILE MACHINERY, NEW			stockings		des yra	doll
COMPLETE MACHINES					(macode	Sns
For extruding man-made fibres (a)	9 16 492-5	1,477	TROPLES	3,071	7 7	7
For processes preparatory to spinning and twisting	90 ana 8	1 87	28aon 18		Sasgill Today	78
For cotton and staple fibre		4,017	sortially v	7,341	9	11
For wool		5		3,428	15	19
For other textiles	}	4,168		6,708	11	11
For spinning	888,1				trad Ta	8
	Th. spindles		sgran best		dan gal	107
For wool	83.9	1,529	manidosa y	884	100	oni *
For cotton and staple fibre	h		agry		New X	120
For other textiles	461	5,618		6,314	8	9
For doubling and twisting			a . Clearans		paco No 1 18	22
For cotton and staple fibre	51.7	536	Совистин	262	5	6
For cotton and staple libre	51.1	550	Th.	202	BOAM S	CONSTR
Other create (Audinitial deserment		- 85	spindles	100	line.	
For wool	34.6	764	19.3	469	5 8	6
For other textiles	62.1	1,454		2,445	0	11
For processes preparatory to weaving but subsequent to spinning and twisting		noin ROULE	and seconds	epenidosa z dite popi	Elizasi Elizasi Elizasi	ni blas
Winding Winding		1,269 {	23.2	1,245	14	14
makes in the industry		Sharas.	SERVICE CONC	210	P	1112640
Machinery for warp tying and warp drawing (b)	and the second	642	dadicanse per	183	8	8
Other	and there	55	A 11015083	1,129	13	15
Looms for weaving	deadison of	erg' in is	13.		2	ar ddo8
Automatic weft replenishing	4		Number		iaidini	Card
For cotton, silk and similar yarns	and a reason	1,193	8,841	3,263	5	5
arrest Forthermilians, these parts and Teble	Number	1 200 20	PA MAN WA	W. DASSED	2 12 17 1 DOLD	13433
For other textiles	843	744	Metal Maco	2,552	7	8
Other	vente are in	luded in t	in Mircatés	onthe line	g Stanten	Spine
For cotton, silk and similar yarns (c)	per of retu	1,332	larger fin	140	* 88.845 1 88.4*.5	S ESSE
For other textiles	518	678	781	1,481	8	8
Other weaving machinery (dobbies, jacquards, etc.)		335	800 70	378	10	10
Finishing, including bleaching, dyeing and printing machinery		3,521	schlasty	5,448	41	44

Continued on next page

TABLE 5 (continued)

	19	58		1963		
	Quantity	Value	Quantity	Value	Enter- prises	Entries
TEXTILE MACHINERY, NEW (continued)	Number	£'000	Number	£,000	Number	Number
COMPLETE MACHINES (continued)	1 1					
Hosiery machinery (for stockings and socks)	111111			ERY, NEW	MACHEN STE MAC	TEXTILE
Circular seamless stockings	2,501	2,264(d)	728	689	iburine	For
Half and three-quarter hose	3,566	3,063	2,753	2,523	process	For
Other	e de la como de la com	28		332	0128 4 82	Desc .
Other knitting machinery (knitwear and knitted fabric)			e fibre	igsta bas i	loew yo	
Circular	1	2 45000		3,672	or other	
Flat bar	1,688	2,452(e)	275	4,775	nkmilga	For
Tufting machines for tufted carpets	h	1	68	649		*
Lace, net and embroidery machinery	}	3,672	h	0.740	36	38
Other new textile machinery			sadil e	3,740	30	38
Total textile machinery, new,	. 1 164	4		apilizat	Tadis To	
complete machines	nili järne 1	40,808	eni	63,331	of I duob	10%
TEXTILE MACHINERY, RECONDITIONED,	o the minte	739	o fibre	747	33	34
PARTS of textile machinery and accessories sold in association with the sale of new complete machines characteristic of this industry (g)	24.6 EUSS 52.1 469	8,080		15,354	117	268
PARTS of textile machinery and accessories		gat.	dry to year	a indexd as	process	For
sold in association with the sale of reconditioned complete machines characteristic of this industry (g)	3.490	200		260	19	19
TEXTILE MACHINERY ACCESSORIES (excluding hosiery needles and elements, and bobbins and tubes of paper and cardboard), sold separately (h)	and without	romin, secretaria	y bas gaiy	dam sol	achinery rewing (
Bobbins	a primario	1,759		2,023	18	18
Card clothing	seploya	3,318	snidelm	2,756	6	9
Reeds and healds	onte imple	594		616	9	9
Rings and travellers	The thin	622	y vallmin b	1,224	5 5	5
Shuttles	ada gadma	532		672	13	14
Spindles, flyers and rollers	53.8	1,574		2,025	15	17
Boxes and cans	h		h	345	9	9
Springs, temples, temple rings and temple rollers		2,849	}	345	SHIRK	
Other			and a back is the	2,203	36	36
Unclassified wood accessories			estenes) X	149	11	11
Total textile machinery accessories		11,248	a (Serional	12,015	nisnier pisnier	21.73 27.03 · ·

TABLE 5 (continued)

Piras esploying subgall	198	8	oy ing sits on	1963		
1883	Quantity	Value	Quantity	Value	Enter- prises	Entries
Principal Principal Industries Industries	in I water	£'000	以 自称名言2字	€,000	Number	Number
OTHER PRODUCTS	UD TOWISY	30		270	17	17
ASTE PRODUCTS	-000*3			414		32.70
Scrap metals				наи длан	S MACHI	TEXXII
. Wetal-working sachine tools	Th.tons		Th.tons	eld galbulo	gi ,gob	Finis
Iron and steel	10.8	67 127	21.1	120 17	87	79
Brass		17		33	36	41
Copper		2		3	13	16
Other scrap metal	.)	22		19	30	33
Other waste products	as hold of	23		21	7 7	8
VORK DONE				- Table 1	gninni	203
Machinery and plant (other than marine machinery and air conditioning, heating and ventilating plant), erected and installed and other installation work			03 V	pykinės l praupasto Traupasto	os atela becases s but s	ers Com For Pri
Textile machinery and accessories	h	193 {		589	19	21
Other	1,818 (193		16	5	5
Research and development work done for customers (including Government Departments)	otilectors	43		45	5	6
Total		61,603		92,841	101 101	Local
Sales in other industries (see Table 6)		4,501	610	6,546	ne etali	Cosp Sthes
Principal products of this industry sold by establishments in the industry	or factors	57,103		86,296	124	146(

- (a) Described as 'for manufacture of man-made fibres' in 1958.
- (b) Described as 'machinery for the preparation of warp' in 1958.
- (c) May include 'narrow fabric'.
- (d) Including 'fully fashioned stockings'.
- (e) Including 'warp knitting looms (single and double)'.
- (f) Including machinery 'for cotton and staple fibre', 'for wool' and 'other descriptions'.
- (g) For details of these parts see Table 14.
- (h) Hosiery needles and elements are included in Miscellaneous Metal Manufactures Industry and bobbins and tubes of paper and cardboard are included in the Miscellaneous Manufactures of Paper and Board Industry.
- (i) This figure represents the total number of returns made by larger firms in this industry, which is less than the total number of establishments in Table 2 on account of combined returns covering more than one establishment.

TABLE 6 Sales of principal products of the industry by establishments classified to other industries, 1958 and 1963

Firms employing 25 or more persons: United Kingdom

marity Value prises Entries	19	958	- Parent	3,000,000	1963		priata mi
	Quantity	Value	Quantity	Value	Entries	in	rincipal dustries n which duced (a)
the face automore that emphis	1	£,000		£,000	Number	2	STE PRODUCT
TEXTILE MACHINERY, NEW		1					
Finishing, including bleaching, dyeing and printing machinery	1 78	1 4 mm/s .	E Bloss	7.753	2.5		
Complete machines	131	1,017	1	1,238	20		49, 52
Parts	11	314		671	16	40,	49
For processes preparatory to spinning and twisting	22				nie.	tam q	
Complete and parts	85	2,508	\$, 45.2Re	1,054	7	40,	49, 52
For spinning				d ss		19	
Complete and parts			ine	54			52 yreni dosM
For processes preparatory to weaving but subsequent to spinning and twisting			gnit	caing, Bet gecred the Ularion W	. (Jasit	gmi	
Winding		1.813	A. 108	ccessories	tine 23	aido	
Complete machines	17	1,615		164		40,	46
Other			rager	work done	the govern	was s	
Complete and parts	1			66	8		52 TORY YAGO
Looms for weaving	208.28						
Complete and parts			1	547	9	48,	50, 52
Other new textile machinery	108.4			adustrice.	radro r	i asi	
Complete machines				471	23	100000000000000000000000000000000000000	50, 52
Parts	1	(638	17	49	
TEXTILE MACHINERY RECONDITIONED	A STATE OF THE PARTY OF T	and the second second	NOTE OF THE PERSON NAMED IN	A 2 B E	management	i air	
Complete machines	1	41		30	•	52	
Parts]		Termination	81	5	52	
TEXTILE MACHINERY ACCESSORIES			5,818	'alada)	ирттер/	apni	
(excluding hosiery needles and elements, and bobbins and tubes			.'wanix	dra benol:	ully fas	le Ro	
of paper and cardboard), sold separately	loom told	. 'ardil a	oste par i	samor dur	venoise		
Bobbins, spindles, flyers and			.bt side!	son arrag			
rollers	M someall	1,005	abulaci at	1,017	bas 9 a d	52,	72 Lack (d)
Other		311	a su trata ano	470	26	52,	91, 107
WORK DONE			ridada le	tes the test as			
Textile machinery and access- ories erected and installed		-	y, 3 projekts	43			
Total		4,501		6,546		100	11 1

⁽a) The references given are to the list of industries at the back of this report.

TABLE 7 Sales of other than principal products by larger firms in the industry, 1958 and 1963

Firms employing 25 or more persons: United Kingdom

	19	58	19	63
	Quantity	Value	Quantity	Value
Light setals and mon-ferrous setals in all forms		£'000	Th.tons	£'000
Iron castings in the rough or machined		414	8.2	770
Machinery and parts	obs forl via be	niter soll	2.2 wishi .no	807 Pie i
Metal-working machine tools	1 0.6	287 (4	uniling-	z mi
Complete	h	78		258
Parts	}	1,411 {	***	24
Other machinery and parts	0.3	1.456		5, 161
	deada Basetada La	155	, sacold ,	46
Parts of textile machinery and accessories sold other		3.00	8187.931	Tauri
than in association with the sale of complete machines	d pue sasio.	91	and rods (94
Industrial plant and steelwork	or eda gnibuleni	209	(not lab	3,561
Other mechanical engineering products		972		1,616
Miscellaneous metal manufactures	35	666	da ,me	1,110
Other products	tage of all thic	182	glass bm	1,168
Work done		1200		
Repair and jobbing work	ociading electric	2, 168	as tabas	889
Structural work carried out as main contractors	atalodali	89	1	toni (70
Machinery and plant erected and installed and other installation work	d gain	303480 - 6		2,450
Other work done on commission, etc.		1,436		
Services rendered to other organisations (a)	N N	/	83	105
Total value of goods sold without being subjected to any manufacturing process (merchanted or factored)	rail type)	3,286	s alsodw Thick is	6,174
Canteen takings		130) 8341210	132
Total bedsinit s	Ti.sq.ft.	12,665(b)	e baa sti	23,557

⁽a) Amounts charged for hiring out plant, machinery or other goods, for providing transport, or for technical or other services rendered to other organisations.

TABLE 8 Production of certain principal products of the industry by larger firms, including production by establishments classified to other industries, 1958 and 1963

This table is not applicable to this industry.

TABLE 9 Purchases of selected principal products of the industry by larger firms, 1963

This table is not applicable to this industry.

⁽b) Excluding amounts charged for services rendered to other organisations.

TABLE 10 Purchases by larger firms in the industry, 1954 and 1963 Firms employing 25 or more persons: United Kingdom

	19	54	1963		
	Quantity	Cost	Quantity	Cost	
- Grinning color (Vienes)	Th.tons	£'000	Th.tons	£,000	
aterials for processing			produc		
Iron - 2.8 MA	besides	ac rough or	ni agnijas		
Pig iron, including refined pig iron and other irons for re-melting (a)	50.4	868	15.9	383	
Castings	21.1	1,891	16.4	1,841	
Ingots, blooms, billets, slabs, and sheet and timplate bars	0.3	34 <	0.8	67 57	
Bars and rods (including wire rods), angles, shapes and sections, girders, beams, joists and pillars rolled (not fabricated), including tube rounds and	d, acressor les àsle of cosp	achinery, on a serious to the	a sliggared		
squares (b)	37.1	1,901	42.0	3,041	
Plates, 3mm. thick and over		Sur rashra	6.6	391 69	
Hoop and strip (including tape of all thicknesses)	2.6	251 <	{ 0.7 ···	84 115	
Sheets under 3mm. thick (including electrical sheets)	2.9	271	5.1	395 106	
Tinplate, terneplate and blackplate	2.1	111 22	0.5	37 21	
Forgings (except drop forgings)	0.8	177 60	1.3	224 95	
Castings	0.6	64 42	0.5	14 1 47	
Tyres, wheels and axles (rail type)	bout being su	(c)	pos in subs	177	
Drop forgings (d)	0.1	20 44	0.4	59	
Iron and steel not elsewhere specified except finished parts, wire and scrap		30 4	isiqT		
Wrought tubes and fittings for wrought tubes (including welded, seamless, conduits, etc.)	1.8	81 54	2.1	308 64	
Other (e)	12.9	694	0.6	142	
Precision chain (e.g. transmission and timing)	Nama adi be	67	as Salbulox	203	
Springs, laminated and other types		67		193	
Steel wire and wire manufactures (excluding insulated wire and cables) (f)	ertsin p	Pho i zaubo	9 58-838		
Wire (single wire)	dies produc	301	5291	398	
Wire manufactures including wire cables and ropes and stranded wire of two or more ply	s iligas ion	50		28	
Ferro alloys		28	52	29	
Iron and steel scrap		193		296	

TABLE 10 (continued)

roet soft		1954		1963	
	Quantity	Cost	Quantity	Cost	
000.3	Th.tons	£'000	Th.tons	£'000	
daterials for processing (continued)	al noissand		Thegas (Put chas	
Light metals and non-ferrous metals in all forms except finished parts, wire and scrap	1,529		imos) espes 8,880 ele motors	orig nwa 177 19912	
Aluminium and aluminium alloys	2.1	647	2.2	708	
Brass and other copper alloys (including nickel silver and cupro-nickel, but excluding all other	0.9	287	1.2	411	
nickel alloys)		76	1	502	
Copper (excluding blister) (g)	0.2	54	eds goar whe	20	
Zinc and alloys of zinc	0.1	12		56	
	Th.cwt.	g bas a m	narrani gala	crasoli _{da}	
Tin stoomustaai i	1.4	31	prop lilitate	13	
Solder, soft		10	Joseph pa	14	
Non-ferrous metal wire(single wire, not insulated) (h)		31	Total Control of the	2	
Non-ferrous metal scrap	abricated .	13	upo abong si	5	
Heavy chemicals (acids, alkalis, alcohols, other inorganic and organic chemicals, compressed gases, etc.)	a Jea algeros a bas laddo	(c)	and and and land	175	
Paint and varnish (including lacquers and stains)	ry for recom	190	si-buones be	192	
Synthetic resins and plastics materials (excluding leathercloth and reinforced plastics)	gnibulosi)	(c)	as allo gali	134	
Refractory materials		33	(anola!	76	
Rubber, including hard rubber, balata, gutta-percha and synthetic rubber in all forms, including finished parts	consumble consumble	140	1 aftaq smen socia boa , a	355	
Timber	out entering	Sept 100	I I TATE OF SE	1000	
Softwood, sawn or planed, but not further prepared			Blaireras	171	
or manufactured	l	770		Pager a	
Handward same or planed but not further prepared	with the as	moking cas	Th.cu.ft.	235	
Hardwood, sawn or planed, but not further prepared or manufactured	serai enda	restriction to	{	183	
	Th.sq.ft.	DIEGGST	Th.sq.ft.	SOME	
Plywood, including blockboard, laminboard and	126	12	216	25	
batt enboard		6	a zor ging be	21	
Woven piece goods (other than narrow fabrics)	offer par na	(c)	mag to alat	182	
Asbestos in all forms, including finished parts	355	3		21	
Other thermal insulating materials	deci-to-	22	Toda	73	
Insulated wires, cables, strips and strands (i)	splw bas, ares	20	by a samed bo	40	
Bolts, rivets, nuts and washers, screws, nails, tacks, etc.	a manufacture	521	q 20 cast) 1	672	
Machinery bought for installation		(c)	.078 ,	575	
Purchased components for incorporation in firms' own products	d packing sa	napaivina leimme	od for santi er packog te	ewylq ass dia	
Ball and roller bearings and parts thereof		723	distance	905	

Continued on next page

TABLE 10 (continued)

esqui de de la companya de la compan	1954		1963		
	Quantity Cost		Quantity Cost		
Materials for processing (continued)	Quantity.	£,000	Quantity	£,000	
Purchased components for incorporation in firms'	to Little	il Ingg) gai	seporg to		
Electric motors	de actual	n-rerrous :	tals and m		
Of less than 1 h.p.	1 34	olis muints	ds box sub	1 15	
Of 1 h.p. and over	thulmale a	751	1823:00 bas	1,165	
Industrial valves	gaibulana	19	alfolk)	128	
Gear and gear wheels of metal	(9	94	nibultars)	361	
Pumps		72	avolts ba	199	
Measuring instruments and gauges and parts		24.	0.8		
Industrial process measuring and control instruments	h	1		niT 57	
and equipment	}	63	1100	291	
Other	100 0110	algula) onl	farau ano	41	
Plastic goods moulded and fabricated		157	lates and	97	
Other and unclassified components not elsewhere specified except those of rubber and asbestos (j)	lodeois a	4,998	a) siscissis (a	17,794	
Purchased second-hand machinery for reconditioning	na evidence	(c)	deletes to	269	
	Th.gal.	nanirasiali	Th.gal.	redress	
Lubricating oils and greases (including cutting oils and emulsions)	277	82 21	358	87 30	
Replacement parts for firms' own machinery, plant and vehicles, and accessories and consumable tools bought as replacement	balasa, gu	1,320	including	1,290	
All other materials for processing	5:0	4,907	011	2,788	
Packaging materials	trat ton r	placed, be	sod, same of	Fallos 47	
Paper and board		(6)	bstupalm	SE 20111	
Boxes, cartons, packing cases and drums and canisters (with or without metal ends) of paper, cardboard and fibreboard	1 202 1	přánad, b	pod, sass o	114	
Wrapping paper (including paper coated with plastics and any laminates incorporating paper but not metal), moulded pulp units, labels and other packaging materials of paper, cardboard and fibreboard (except	datain la ab	48 <	al, includit	owy19888 Direc 64	
multiwall sacks)	J	1201 G2510		61	
Timber	December 30	SELVELS 1800	pi lis.mi	Saibosto	
Containers wholly or mainly of wood, including plywood boxes and drums, baskets and wickerwork crates	s and str	794 <	d wires, o	229	
Timber (sawn or planed) for manufacture into packing cases, etc.	ACTEMB, T	eredace hou	lua atavi	543	
Plywood for manufacture into packing cases	100 2	mila mai T	Ψ	Machina	
All other packaging materials	l misseq	71	s acques de	81	
Fuel and electricity (k)	Th.tons	na agairas	Th.tons	lla8	
Coal	86.0	309	50.0	266	
Coke (including screenings) and manufactured fuel	47.0	319	25.7	23	
	Th.gal.		Th.gal.		
Derv fuel and motor spirit for use in road vehicles	845	169	721	146	

TABLE 10 (continued)

	per goner - or	1954		1963	
	nors persons;	Quantity	Cost	Quantity	Cost
Fuel and electricity (k) (continued)	dayageale	Th.gal.	£,000	Th.gal.	€,000
Other liquid fuels (including creosote/pitch etc., and liquefied petroleum gases)	mixtures,	1,523	71	3,850	177
Gas Parce of New teatilis exchinery	{	Th.therms 5,663	270 30	Th.therms 5,536	293 39
Electricity	aged raining	Th.kWh 116,679	604	Th.kWh 74,769	502 306
Total cost of materials and fuel Goods purchased for merchanting		1.63 eslaca	26,063	eron gunu Hisan bili in His , subdhoi	42,40 1 5,155 169
Total cost of purchases				16201	47,725

- (a) Described in 1954 as 'Pig iron, except refined pig iron'.
- (b) 'Pillars rolled (not fabricated) including tube rounds and squares' were not included in 1954.
- (c) Not recorded separately.
- (d) Described in 1954 as 'Drop forgings of iron and steel'.
- (e) Heading in 1954 covered iron only.
- (f) Described as covering 'Iron and steel' in 1954.
- (g) 'Blister' was not specifically excluded in 1954.

 (h) Not specified as single wire in 1954.
- (i) 'Strips and strands' were not included in 1954. The strips and the strands' were not included in 1954.
- (j) Components of rubber and asbestos were not excluded in 1954.
- (k) The total quantity of electricity generated in firms' own establishments in this industry was The total quantity of electricity generated in 111 2,361 Th.kWh in 1954 and 1,000 Th.kWh in 1963.

TABLE 11 Transport costs and employment of larger firms, 1963

Firms employing 25 or more persons: United Kingdom

The sales were be	Unit	1963
Average number employed mainly on transport	No.	386
Transport costs		
Wages and salaries	£,000	275
Derv fuel and motor spirit	18.50%	146
Payments to other organisations for transport		563
Costs of operating road goods vehicles	d 11000-121173	1 1001g.j
Insurance		19
Vehicle licences		17
Depreciation		115
Payments to other organisations for repairs and maintenance		43
Total	and the state of	1, 177

TABLE 12 Payments for certain services, etc. by larger firms, 1963 (a)

Firms employing 25 or more persons: United Kingdom

Th.gai. 2'000 Th.gai. 6'500	Amounts payable	
Repairs and maintenance to	£,000	210\2
Buildings	247	
Road goods vehicles	43	
Plant, machinery, and other capital equipment	397	
Insurance, licensing and depreciation of road goods vehicles (b)	150	
Rates, excluding water rates	451	
Hire of plant and machinery	61	
Postage, telephone, telegrams and cables	336	
Total	1,685	

⁽a) No deduction is made for these payments to arrive at the figures of net output given in this report.

(b) For details see Table 11.

TABLE 13 Percentage analysis of twelve-month periods covered by returns from larger firms, 1963

deplacement par vanicles, and as replacement	- the Mary Prince The	25 or more pers	er firms, 1963 ons: 201 at behalval to a read about to a readous (1)
Year ended	Percentage of total number employed	Year ended	Percentage of total number employed
1963	Per cent.	1963 (contd.)	Per cent.
April (a)	1.9	No vember	14.7 days bus alread stockers. It stantale
May	0.0	December	48.1
June	4.6	mongas a pasta	First employing 25 or more personal I
July	1.2	1964	(meet)
August	0.5	January	0.1 (rogers) so vigina bovolum radam energy)
September	3.2	February	0.2
October	7.1	March	18.3
	or planed to		Pages and salaries Pages
essee, yes.	ten	Total	100 sinigs some has lend wied

⁽a) Including returns made for twelve-month periods ended 1st to 5th April, 1964.

TABLE 14 Sales of all parts of textile machinery and accessories by larger firms, including sales of establishments classified to other industries, 1958 and 1963

Firms employing 25 or more persons: United Kingdom

(i) Parts sold in association with the sale of complete machines characteristic of		1958		1963	
this industry (a) (ii) Other parts sold (b)	(i)	(ii)	(i)	(ii)	
Parts of new textile machinery	£,000	£'000	£,000	£,000	
For extruding man-made fibres	203	1,070	1,893	679	
For processes preparatory to spinning and twisting	toem alliames a	on tol 33			
For cotton and staple fibre	h	(1,404	h	
For wool	1,638	35 {	1,487	161	
For other textiles	ther ret has w	10 101 24	524	11	
For spinning	ali di Reineman can	CONTRACTOR	n is E.S. Zocie i Magraphian Magraphy	DISCONSTRUCTION OF STREET	
For wool	h	(281	-	
For cotton and staple fibre	1,079	240] [391	
For other textiles	in the state of the	5 30 363	2,312	(c)	
For doubling and twisting	Test test lievi	of loans	e stepesti	189-L-	
For cotton, staple fibre and wool	h		145	acilian	
For other textiles	417	- {	303	Store 10 ,	
For processes preparatory to weaving but subsequent to spinning and twisting	N 10 do Rocketo Na Santapar	ante desi		SECULIST SERVICES	
For winding	322	1	341	er voc-	
For machinery warp tying and warp drawing	141	48 {	88	-	
For other	16		141	(c)	
For looms for weaving	Mari velsad a	CAN THE	and good	S Date of	
Automatic weft replenishing	free The s		igiy, sisha shin an m	Sites:	
For cotton, silk and similar yarns	000	52	1,029	(c)	
For other textiles	906	53	779	(c)	
Other	THE PARTY.				
For cotton, silk and similar yarns	368	h	116	12	
For other textiles	223	237 <	672	1 12	
For other weaving machinery (dobbies, jacquards, etc.)	171		186	52	
For finishing including bleaching, dyeing and printing machinery	745	244	1,212	258	
For hosiery machinery (for stockings and socks)	selpa Produc	4			
For circular seamless stockings	353(0	663(d) 228		
For half and three-quarter hose	206	6	237	91	
For other	3 200		(c)		
For other knitting machinery (knitwear and knitted fabric)	ment for		of a pro	murt subs	
For flat bar		THE PARTY NAMED IN	erar depa	(c)	
For circular	309	2	1,085	{ -	
For warp knitting looms (single and double)		in plants g	i de arodo	(c)	

Continued on next page

TABLE 14 (continued)

(i) Parts sold in association with the sale of complete machines characteristic of this industry (a) (ii) Other parts sold (b)		1958		1963	
		(ii)	(i)	(ii)	
Sudi and come since	£'000	£'000	£'000	£'000	
Parts of new textile machinery (continued) For lace, net and embroidery machinery	296	(a) ya	177	(ii) _	
For tufting machines for tufted carpets For other new textile machinery	866	153 {	216 498	1,002	
Total parts for new textile machinery	8,080	2,752	15,354	2,657	
Parts for reconditioned textile machinery	200	146	260	236	
Total parts for new and reconditioned textile machinery	8,280	2,898	15,614	2,893	

- (a) Principal products of this industry.
- (b) Principal products of General Mechanical Engineering.
- (c) Owing to the risk of disclosure of information relating to individual firms separate particulars cannot be given and are included with 'Other new textile machinery'.
- (d) Including 'Fully fashioned stockings'.

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Capital Expenditure (continued)

(ii) Land and existing buildings.

The items shown are the capital cost of freeholds purchased and the capital cost or premium payable for leaseholds acquired (excluding the value of any assets acquired in taking over an existing business), and the amounts receivable for any freeholds or leaseholds disposed of. The value is that charged to capital account during the year of return.

(iii) Plant, machinery and vehicles.

The items shown are the value of plant and machinery and of vehicles acquired, both new and second-hand, and the amount received for items disposed of during the year. The value of plant and machinery acquired includes plant, etc. which firms produced for their own use in connection with the business covered by the return. The value of plant, etc. acquired is the expenditure charged to capital account during the year of return less any discounts received, but including the cost of transport and installation. No deduction is made for depreciation, amortisation or obsolescence. The proceeds of items disposed of during the year exclude amounts written off for items scrapped.

Capital expenditure during the year in respect of manufacturing establishments where production had not started before the end of the year is excluded in this report for both 1958 and 1963.

Characteristic Products

The characteristic products of a sub-division are those in terms of which the sub-division is defined. They are products commonly associated in production and are usually similar in nature or manner of production. In most cases the characteristic products of each sub-division are indicated in Table 5 of the industry reports. For those industries for which an analysis by sub-divisions has been made, Table 2 shows the total sales of such characteristic products for each sub-division. The totals include, besides the products which define the sub-division, other items of output assumed to be closely related to them, e.g. waste products and work done.

Enterprise

The term enterprise is used in this report to mean one or more firms under common ownership or control. An enterprise normally consists either of a single firm, or of a parent company together with its subsidiary companies.

Entries

The number of entries shown in Tables 5, 6 and 8 against a particular output or production heading is the number of returns on which figures were recorded for that item.

Establishment

The census was based on the establishment, comprising in most cases the whole of the premises under the same ownership or management at a particular address (e.g. a factory or mine); but firms were asked to exclude from all sections of their returns particulars relating to any department not engaged in production for which they kept a separate set of accounts. Where separate accounts were not kept, they were asked to include merchanting or factoring, canteens operated by them and other

ancillary activities such as bottling, packing and the manufacture of containers for packing their own products, whether or not these activities are carried on at the same address as the works. Building and engineering maintenance departments and selling and transport departments were treated similarly.

Gross Output

The gross output of an industry is the aggregate value of goods made and other work done during the year by the establishments classified to the industry. It is derived by subtracting from the value of sales and work done, the value of stocks of goods on hand for sale and work in progress at the beginning of the year and adding the value at the end of the year.

Larger Firms

These are firms in which twenty-five or more persons were employed on the average during the year.

Net Output

The net output of an industry represents the value added to materials by the process of production. It includes the gross margin on any merchanted or factored goods sold; it constitutes the fund from which wages, salaries, insurance, pensions, hire of plant and machinery, payments for repairs and maintenance, costs of operating road vehicles, rents, rates and taxes, advertising and other selling expenses and all other similar charges have to be met, as well as depreciation and profits. There is no appreciable duplication in net output. Net output has been obtained by deducting from the gross output the cost of purchases adjusted for stock changes, payments for work given out to other firms, and payments for transport.

Normally any customs or excise duty on materials purchased is included in the cost of materials. Similarly, finished goods sold have been valued as they were sold, duty paid or duty free. The amounts of duty, subsidies, allowances and levies receivable or payable, where of substantial importance in the industry, were required to be stated separately, and these items were taken into account when calculating net output.

Net output per person employed

The figures for net output per person employed are derived by dividing the net output by the average number of persons employed (full-time and part-time) on all activities covered by the returns, including operatives, administrative, technical and clerical employees and working proprietors, but excluding outworkers.

Principal Products

The principal products of an industry are those in terms of which the industry is defined. They are products commonly associated in production, and are usually similar in nature or manner of production.

Production

This means the total quantity of a product made during the year, whether sold in the year, added to stock, transferred to another department of the same firm, or used in the manufacture of other products within the business covered by the return. It includes goods produced from materials supplied by other firms.

Purchases

Purchases include the cost of materials and components bought for use in production; of fuel and electricity for all purposes; of packaging materials, including the full cost of returnable cases and containers when first purchased; of workshop materials, office materials and materials for repairs to firms' own buildings, plant and vehicles when carried out by their own workpeople included in the return; of consumable tools; and of parts for machinery purchased during the year as replacements. Water charges are also included. In general purchases of goods for merchanting or factoring and canteen supplies are included. Materials supplied by customers for processing are excluded.

The values shown include any duty paid (less rebate, etc.) but exclude trade discounts allowed. The cost of transport is included only if included in the cost of materials as invoiced; amounts paid to transport organisations, including firms' own separate transport organisations, for delivery of materials and fuel are, therefore, excluded. Materials purchased overseas are included at their c.i.f. cost plus any duty payable if the cost of transport from the docks was not included in the invoiced price, but at their full delivered cost if invoiced 'carriage paid home'. Materials and fuel transferred from another department of the firm not covered by the same return are included at the estimated selling value recorded by the other department.

Sales are in respect of goods made by the business covered by the return, goods made for it by outworkers or by other firms from materials given out to them (sometimes described as goods made on commission) and waste products. Any machinery or other capital items produced for use in the business covered by the return are included, the value being that adopted in the firm's capital asset account. Goods sold without being subjected to any manufacturing process (merchanted or factored) and canteen takings are included as in 1958.

The value shown for sales is the net selling value, defined as the amount charged to customers whether on an ex-works or delivered basis, net of any trade discounts, agents' commissions, allowances for returnable cases, purchase tax, etc.; the net amount charged for packing materials is included. Goods charged on a delivered basis to customers overseas are included at the f.o.b. value. For work done on commission or for the trade the value shown is the net amount charged.

Where goods produced in one department were transferred to another department of the same firm not covered by the return, these transfers were treated as sales by the producing department and valued as far as possible as if they had been sold to an independent purchaser. Goods transferred to wholesale or retail selling organisations for which separate accounts were kept were valued on the same basis. Estimations of a similar kind were also sometimes necessary in valuing transfers between different firms belonging to the same enterprise. To the extent that the sales of finished products of one establishment may constitute the materials purchased by another, total figures of the value of sales (and of materials and fuel purchased) include an element of duplication.

Services rendered

This represents the amounts charged for hiring out plant, machinery and other goods, providing transport, or for any technical or other

services rendered to other organisations. It includes amounts credited for similar services rendered to other departments of the same firm not covered by the return.

These are firms in which fewer than twenty-five persons were employed on the average during the

Stocks and Work in Progress

Values are given of stocks of goods on hand for sale, and of materials and fuel, at the beginning and end of the year of return, including any stocks of goods held for merchanting or factoring. The values include duty in the case of dutiable goods held out of bond. The value of work in progress at the two dates is also usually shown. This excludes any progress payments made to sub-contractors, and no deduction is made on account of progress payments

Transport Payments

These represent the total amount paid or credited during the year for both outwards transport of finished goods sold and inwards transport of materials and fuel purchased. They include payments to other firms, and to any separate transport organisation of the same firm, not covered by the return, but exclude the value of transport services provided by the business covered by the return. The items included are payments for hired cartage and for inwards and outwards carriage by all forms of inland transport, i.e. railways, road haulage, canals, coast-wise shipping, air, etc. Payments made for sea freight on goods sold to customers overseas and on materials and fuel purchased from overseas suppliers are excluded.

Wages and Salaries

These are the amounts paid during the year to operatives and to administrative, technical and clerical employees. Payments to working proprietors, whether called salaries or not, are excluded; in Northern Ireland this exclusion extends also to payments to directors of limited companies. The values shown include all overtime payments, bonuses and commissions, whether paid regularly or not, and no deduction is made for income tax, insurances, contributory pensions, etc. The value of any payments in kind, travelling expenses, lodging allowances, etc. and employers' contributions to National Insurance and pension schemes is excluded.

Work given out

The figures shown represent the total amount paid for work done by other firms on materials supplied to them, and also by firms' own establishments for which separate returns were made. They do not include payments to individual outworkers or payments for business and other services.

Symbols used

The following symbols are used throughout the report:

- Not available
- Nil or negligible (less than half the final digit shown)
- Figures cannot be shown owing to the risk of disclosing information about individual enterprises.

Rounding of Figures

The figures in the tables have, where necessary, been rounded to the nearest final digit. There may, therefore, be apparent slight discrepancies between the sums of the constituent items and the totals shown.

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Part No. and title

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