



FORESTRY COMMISSION.

REPORT

ON

CENSUS OF WOODLANDS

AND

CENSUS OF PRODUCTION OF HOME-GROWN TIMBER. 1924.

LONDON:

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REPORT
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PART I.
CENSUS OF WOODLANDS.

The form of return and method of collecting the statistics were adopted at a conference held in 1921 between the Forestry Commissioners and representatives of the Ministry of Agriculture and Fisheries, the Land Valuation Department and the Forestry Consultative Committees.

In England and Wales most of the work of collection was done on a voluntary basis by private individuals ("County Organisers") selected for their extensive knowledge of the woodlands in their particular districts. The Commissioners desire to place on record their thanks to those who assisted in this way; a list of their names is given in Appendix 1 (p. 18). The County Organisers were supplied with copies of 6-inch ordnance sheets on which were marked the acreage and ownership of each individual wood exceeding two acres in extent. These maps were then forwarded to woodland owners who were asked to indicate on them the types and age-classes of their woods. The areas were subsequently scaled off in the Commission's offices and the data tabulated.

In Scotland the information was similarly recorded on 6-inch ordnance sheets, but the work was done partly by the Commissioners' regular Local Correspondents and partly by the technical staff.

A copy of the form of return and the schedule of instructions for marking ordnance sheets are given in Appendix 2 (p. 19).

The census was commenced on a trial basis in the autumn of 1921, but was not completed until the end of 1926. As most of the work was done during 1924, however, that year has been adopted as the date of the census and adjustments have been made in statistics collected in other years.

In the present returns the woodlands have been divided into two main categories:—

- (1) *Economic or potentially productive—i.e.*, woods maintained or capable of being maintained for the production of timber for commercial purposes.
- (2) *Uneconomic—i.e.*, woods which are not maintained for timber production, but primarily serve some other purpose.

The first category is divided into high forest, coppice and coppice-with-standards, scrub and felled or devastated woods. The second category includes amenity woods, shelter belts and park timber. The high forest is subdivided into age-classes, viz., 1 to 10 years old, 11 to 20, 21 to 40, 41 to 80 and over 80.

Former Surveys.

Statistics of the area under woodland were collected for Great Britain in 1905 by the Board of Agriculture; in 1913 for England and Wales by the Board of Agriculture, and in 1914 for Scotland by the Board of Agriculture for Scotland. (*Agricultural Statistics*—Great Britain 1905, Cd. 3061; England and Wales 1913, Cd. 7325; Scotland 1914, Cd. 7958.) In each case schedules were distributed by local officers of the Board of Customs and Excise to woodland owners who gave particulars under the headings (a) coppice including coppice-with-standards, (b) plantations under ten years old and (c) other woods.

In order to obtain more detailed information than was provided by the agricultural returns of 1914, a survey of Scottish woodlands was undertaken by the Timber Supply Department in February, 1918, and completed in the following year. The primary object was to obtain information in connexion with the supply of timber for war purposes. As in the case of the present census, the data were recorded on 6-inch ordnance sheets. A similar survey was commenced in England and Wales but was not completed.

Total Woodland Area.

The total woodland area is 2,958,672 acres, including 478,106 acres bare of timber and included in the category "felled or devastated." The areas returned in the censuses of 1905 and 1913-14 are given in Table I.

Table I.—Total Area of Woodland returned in the Censuses of 1905, 1913-14 and 1924.

—			England.	Wales (including Monmouth).	Scotland.	Total.
			Acres.	Acres.	Acres.	Acres.
1905	..	..	1,683,324	216,510	868,409	2,768,243
1913-14	..	..	1,667,574	216,494	852,120	2,736,188
1924	..	..	1,630,987	253,461	1,074,224	2,958,672

From the above table it would appear that whereas the total area of woodland decreased by 32,055 acres between 1905 and 1913-14 there was an increase of 222,484 acres between 1913-14 and 1924, the increases being, in Wales 36,967 acres and in Scotland 222,104

acres. England shows a decrease of 36,587 acres. There has been no actual increase in the area of woodland ; if there had been it could have occurred only in the 1 to 10 year age-class for which the 1924 return shows 15,374 acres in Wales and 38,995 acres in Scotland.

The apparent increase in area is the result of different, and particularly of more intensive, methods of survey and is more especially due to the inclusion of "scrub" in the present census. Scrub usually consists of either a poor cover of dwarfed oak, such as is common in the west of Wales, or sparse stands of birch, such as occur over considerable areas in the Highlands of Scotland. Most of these scrub areas were omitted from previous returns, but some of them appear to have been entered as coppice. As fully 330,000 acres now appear under the category of scrub the effect of this new item on the statistics will be realised. A further discrepancy is caused by the inclusion in the 1924 census of "felled or devastated" (478,106 acres) ; it is not known how similar woodland was dealt with in 1905 and 1913-14, but it was probably excluded wholly or in part. A case may be made for excluding from the total area of woodland the woods felled at the time of the census. This course presupposes that they will not be replanted, which is not wholly true, since even in a normal forest a proportion of the area will be bare at any moment and merely awaiting its turn for replanting. In the exceptional circumstances arising out of the war fellings the felled area was naturally far greater than the normal proportion. This difficulty in classification will be met in future censuses by requesting information as to the year of felling, thus obtaining some guide as to the probability of re-planting taking place.

DISTRIBUTION BY CATEGORIES.

The distribution of the total woodland area by categories is given in Table II.

Table II.—Distribution of Woodlands by Categories, 1924.

—	England.	Wales.	Scotland.	Great Britain.	Percentage of total Woodland Area.
	Acres.	Acres.	Acres.	Acres.	
I. ECONOMIC OR POTENTIALLY PRODUCTIVE.					
High forest—					
Conifers ..	195,231	46,940	429,670	671,841	—
Hardwoods ..	338,456	43,957	60,941	443,354	—
Mixed conifers and hardwoods ..	220,390	22,106	59,199	301,695	—
Total high forest ..	754,077	113,003	549,810	1,416,890	47·9

Table II.—*Distribution of Woodlands by Categories, 1924—contd.*

—	England.	Wales.	Scotland.	Great Britain.	Percentage of total Woodland Area.
I. ECONOMIC OR POTENTIALLY PRODUCTIVE— <i>contd.</i>	Acres.	Acres.	Acres.	Acres.	
Coppice and coppice-with-standards ..	485,229	35,331	8,120	528,680	17·9
Scrub	87,410	34,934	208,359	330,703	11·2
Felled or devastated	194,742	62,182	221,182	478,106	16·1
Total scrub and felled or devastated ..	282,152	97,116	429,541	808,809	27·3
II. UNECONOMIC (including amenity woods and shelter-belts)	109,529	8,011	86,753	204,293	6·9
GRAND TOTAL	1,630,987	253,461	1,074,224	2,958,672	100·0
Total land area ..	32,037,243	5,098,762	19,069,728	56,205,733	—
Woodland area as percentage of land area ..	5·1	5·0	5·6	5·3	—

Territorial Distribution.—The average proportion of Great Britain under woodland is 5·3 per cent. (England 5·1, Wales 5·0 and Scotland 5·6). Details of the woodland area in each county are given in Appendix 3 (p. 22). The most heavily wooded portion of England is that immediately south of London including the counties of Sussex (14·0 per cent.), Surrey (12·3), Kent (11·1) and Hampshire (11·6). In practically all the counties north of the line from London to Liverpool, the proportion is well below the average. Cambridge with 1·0 per cent. is the lowest.

The woodland area in Wales is fairly evenly distributed apart from Monmouth, which has 12·8 per cent., only two counties (Montgomery 6·6 per cent. and Brecon 6·0) have more than 5 per cent. under timber. Anglesey has only 1·2 per cent. and Pembroke 2·4.

The most densely wooded part of Scotland is the corner between the Moray Firth and the Firth of Tay containing Nairn (17·0 per cent.), Elgin (16·3), Kincardine (12·6) and Aberdeen (10·1). Only two

counties (Caithness 0·4 per cent. and Sutherland 2·0) have less than 3 per cent.

Maps showing the distribution of the woodland area are appended. (Facing p. 46.)

High Forest.

The total area of high forest is 1,416,890 acres or 47·9 per cent. of the whole woodland area. The acreage under each age-class is given in Table III.

Table III.—Distribution of High Forest by Age-Classes.

Type and Age-class.	England.		Wales.		Scotland.		Great Britain.	
	Acres.	Per cent.	Acres.	Per cent.	Acres.	Per cent.	Acres.	Per cent.
Conifers—								
1-10 years	52,552	7·0	14,059	12·4	38,409	7·0	105,020	7·4
11-20 "	31,253	4·1	17,814	15·8	48,960	8·9	98,027	6·9
21-40 "	52,139	6·9	8,337	7·4	93,466	17·0	153,942	10·9
41-80 "	48,139	6·4	5,308	4·7	191,077	34·7	244,524	17·2
Over 80 "	11,148	1·5	1,422	1·2	57,758	10·5	70,328	5·0
Total ..	195,231	25·9	46,940	41·5	429,670	78·1	671,841	47·4
Hardwoods—								
1-10 years	4,425	0·6	352	0·3	169	0·0	4,946	0·4
11-20 "	8,598	1·2	1,627	1·4	252	0·1	10,477	0·7
21-40 "	29,680	3·9	6,326	5·6	3,156	0·6	39,162	2·8
41-80 "	137,966	18·3	17,794	15·8	24,781	4·5	180,541	12·7
Over 80 "	157,787	20·9	17,858	15·8	32,583	5·9	208,228	14·7
Total ..	338,456	44·9	43,957	38·9	60,941	11·1	443,354	31·3
Mixed conifers and hardwoods—								
1-10 years	9,347	1·2	963	0·9	417	0·1	10,727	0·8
11-20 "	13,796	1·8	1,290	1·1	861	0·1	15,947	1·1
21-40 "	51,547	6·8	5,399	4·8	6,487	1·2	63,433	4·5
41-80 "	96,264	12·8	10,205	9·0	27,938	5·1	134,407	9·5
Over 80 "	49,436	6·6	4,249	3·8	23,496	4·3	77,181	5·4
Total ..	220,390	29·2	22,106	19·6	59,199	10·8	301,695	21·3
All types—								
1-10 years	66,324	8·8	15,374	13·6	38,995	7·1	120,693	8·5
11-20 "	53,647	7·1	20,731	18·3	50,073	9·1	124,451	8·8
21-40 "	133,366	17·7	20,062	17·8	103,109	18·8	256,537	18·1
41-80 "	282,369	37·4	33,307	29·5	243,796	44·3	559,472	39·5
Over 80 "	218,371	29·0	23,529	20·8	113,837	20·7	355,737	25·1
TOTAL HIGH FOREST	754,077	100·0	113,003	100·0	549,810	100·0	1,416,890	100·0

Conifers occupy 671,841 acres (47·4 per cent. of the high forest area), hardwoods 443,354 acres (31·3 per cent.), and the remaining area of 301,695 acres (21·3 per cent.) consists of mixed stands of conifers and hardwoods.

Of the high forest in England 25·9 per cent. consists of conifers, 44·9 of hardwoods and 29·2 of mixed woods. In Wales the proportion of conifers and hardwoods is more even, being 41·5 and 38·9 per cent. respectively. In Scotland, conifers largely predominate, amounting to 78·1 per cent. as compared with 21·9 per cent. of hardwoods and mixed woods.

In order to appreciate the significance of the areas falling into the various age-classes, it is necessary to assume an average rotation (or age for felling) for each of the main categories of high forest. In Table IV it has been assumed that, on the average, conifers will be felled at 80 years of age, mixed conifers and hardwoods at 100 years and hardwoods at 120 years. The actual areas are then compared with the normal for each age-class.

Table IV.—*High Forest: Actual compared with the "Normal" Age-Class Areas.*

	Total Area.	1 to 10 years.		11 to 20 years.		21 to 40 years.		41 to 80 years.		Over 80 years.	
		Normal.	Actual.	Normal.	Actual.	Normal.	Actual.	Normal.	Actual.	Normal.	Actual.
Conifers (80 year rotation)	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.
Hardwoods (120 year rotation)	671,841	83,980	105,020	83,980	98,027	167,960	153,942	335,920	314,852*	—	—
Mixed (160 year rotation)	443,354	36,946	4,946	36,946	10,477	73,892	39,162	147,785	180,541	147,785	208,228
	301,695	30,170	10,727	30,170	15,947	60,339	63,433	120,678	134,407	60,339	77,181
Total	1,416,890	151,096	120,693	151,096	124,451	302,191	256,537	604,383	629,800	208,124	285,409

* Including 70,328 acres over 80 years.

The table brings out the following facts :—

(1) *Conifers*.—Apart from the adequacy or inadequacy of the total area (671,841 acres) of conifers, the age-classes in 1924 were not very badly out of adjustment. There should therefore be forthcoming a small but steady supply of softwood timber. As the Commissioners' afforestation programme progresses and as felling with replanting takes place the youngest age-class will gradually predominate, but can have little effect for 20-30 years in augmenting the annual supply and reserves of timber.

(2) *Hardwoods*.—The age-class constitution of the 443,354 acres of hardwoods is wholly abnormal. For the last 40 years less and less attention has been paid in successive decades to hardwoods so that the total area planted in the decade 1914-24 was less than 5,000 acres. The area under mature and semi-mature hardwoods (208,228 acres) is well above the normal as is that of 41-80 years of age (180,541 acres). There should be no difficulty therefore in maintaining for some time the existing output of hardwoods, but at the present rate of planting the supply must inevitably decline in due course to an insignificant quantity.

(3) *Mixed Woods*.—The age-classes in the mixed conifers and hardwoods are abnormal in the same direction as the hardwoods.

(4) *Rate of Planting*.—Assuming that none of the age-classes 1 to 10, 11 to 20 and 21 to 40 years has as yet been diminished by fellings, it follows that planting during the past 40 years has taken place at the following rates :—

1914 to 1924	...	120,693 acres or 12,069 acres per annum.
1904 to 1914	...	124,451 " " 12,450 " "
1884 to 1904	...	256,537 " " 12,827 " "

The censuses of 1905 and 1913-14 give the areas of plantations under 10 years old at 103,683 acres and 119,155 acres respectively. These figures presumably cover the areas planted in the previous nine years and correspond with average annual areas of 11,520 and 13,240 acres respectively.

Having regard to the different methods of conducting the censuses, the figures coincide as closely as can be expected and warrant the general statement that the rate of planting in Great Britain has been fairly constant at about 12,000 acres per annum ; with a woodland area estimated in 1905 at 2,191,000 acres (viz., the total area, 2,768,000 less coppice 577,000) this corresponded with an average rotation of 180 years. In point of fact the average age at which the trees were felled was much less, and there is every indication therefore that even before the war the woodlands were in a state of retrogression.

Two new factors enter into the decade 1914 to 1924, namely, the war, which cut the planting period down by about 50 per cent. and the operations of the Commissioners which accounted for 37,763 acres.

Plantations formed in the 40 years 1844 to 1884 and still surviving, had an area of 629,800 acres, equivalent to an average of 15,770 acres per annum. Actually the average annual planting area must have been considerably larger as war fellings are known to have been heavy in this class which provided much pit-wood.

No useful deductions can be drawn from the over 80 years age-class figures.

It would appear that following a revival of planting in the last stages of, and after, the Napoleonic wars, the rate gradually slowed down during the 19th century to revive again in the first decade of the 20th century. Concurrently with the general slowing down there has been a marked displacement of hardwoods (mainly oak) by conifers.

Coppice and Coppice-with-Standards.

The area under coppice and coppice-with-standards is 528,680 acres or 17·9 per cent. of the total area of woodlands; of this, 99,800 acres are estimated to be coppice and 428,880 acres coppice-with-standards. Most of this area occurs in England which has 485,229 acres of coppice and coppice-with-standards (91·8 per cent.) as compared with 35,331 acres in Wales (6·7) and 8,120 acres (1·5) in Scotland. Forty-five per cent. of woods of this description in Great Britain are found in a few counties in the south-east of England—Kent, Surrey, Sussex and Hampshire having between them 239,000 acres. Corresponding figures for the censuses of 1905 and 1913/14 are given in Table V :—

Table V.—Area under Coppice and Coppice-with-Standards.

Year.			England.	Wales.	Scotland.	Great Britain.
			Acres.	Acres.	Acres.	Acres.
1905	..	..	538,123	15,733	23,015	576,871
1913-14	..	..	520,715	20,255	27,395	568,365
1924	..	..	485,229	35,331	8,120	528,680

These figures are not strictly comparable owing to changes in classification.

Scrub.

The area under scrub amounts to 330,703 acres or 11·2 per cent. of the total woodland area. Much the greatest proportion occurs in Scotland where 208,359 acres (63·0 per cent.) are found, mainly in Argyll and Inverness. In England the area is 87,410 acres and in Wales 34,934 acres.

Scrub was not differentiated in the censuses of 1905 and 1913-14.

Felled or Devastated Woods.

Of the total woodland area 16·1 per cent. is shown as having been felled or devastated at the end of the period under review, the area being 478,106 acres. Of this, 221,182 acres (46·3 per cent.) occur in Scotland, 194,742 acres (40·7 per cent.) in England and 62,182 (13·0 per cent.) in Wales.

In England there are no counties with over 30 per cent. felled area, but Rutland, Cumberland and Durham each have between 25 and 29 per cent. The proportion is much higher in Wales, being 50·4 per cent. in Cardigan, 43·8 in Pembroke, 35·6 in Carmarthen and 34·9 in Montgomery. Four counties in Scotland have between 30 and 37 per cent. felled (Clackmannan 36·9, Kinross 34·9, Aberdeen 31·8 and Fife 30·5). Maps showing the distribution of the felled areas are appended. (Facing p. 46.)

It may be of interest to enquire what area was brought under the axe during and immediately after the war. The data are not sufficient to enable a close estimate to be made, but it is believed that it is possible to make a reasonable approximation to the facts. The total area now classified as "felled or devastated" (478,000 acres) was felled partly before and partly during and after the war. Pre-war fellings were differentiated for Scotland and amount to 72,000 acres out of the 221,000 acres; they were not kept separate for England and Wales but were known to be proportionately very much smaller. It is believed that 85,000 acres is a fair estimate for the whole of Great Britain. This indicates that of the area returned in 1924 as felled or devastated 393,000 acres were cut over subsequently to 1914.

On the other hand a proportion of the area appearing in the 1 to 10 age-class represents areas felled during or after the war but replanted. This proportion is estimated roundly at 51,000 acres, and is obtained by deducting from the total area of the 1 to 10 age-class (121,000 acres) the area of new ground/afforested (estimated at 35,000 acres) and also the area of pre-war fellings which has been replanted (estimated also at 35,000 acres). On these bases (and excluding coppice areas which were cut over and have simply reverted to coppice) the total area cut during and immediately after the war comes out at 444,000 acres.

Uneconomic Woods.

The area of uneconomic woods (including shelter belts and amenity woods) is 204,293 acres or 6·9 per cent. of the total area of woodlands. The distribution is as follows: England 109,529 acres, Wales 8,011 acres, Scotland 86,753 acres.

Ownership.

Of the total woodland area of the country, 2,720,000 acres (91·9 per cent.) belong to private individuals, 40,000 acres (1·4 per

cent.) to corporate bodies and 199,000 acres (6·7 per cent.) to the State.

The State-owned forest areas include the total plantable ground acquired by the Forestry Commission up to 30th September, 1924.

Contents of British Woodlands.

The census did not include a systematic estimate of the contents of the woodlands nor of the area occupied by different species of trees, although some reporters indicated the approximate density of stocking and the predominant species.

In order to arrive at a rough approximation of contents, a number of independent estimates were made of the quantities of timber of saw-mill size and of pitwood size in the types of woodland classified as "economic or potentially economic." While the estimates varied considerably in details the totals were all of the same order of magnitude.

Estimate of Contents of British Woodlands, 1924.

					Millions of cu. ft., quarter-girth measurement.
Saw Timber Sizes—					
Coniferous	...	...	...	...	748
Hardwood	...	...	...	...	798
					<hr/> 1,546
Pitwood Sizes—					
Coniferous	...	...	...	...	374
Hardwood	...	...	...	...	342
					<hr/> 716
Total					<hr/> ... 2,262 <hr/>

The estimate is for timber and pitwood sizes only and excludes branchwood; further, no account is taken of hedgerow timber or of the contents of the 204,293 acres of woodland classified as uneconomic (amenity woods, etc.).

Summary and Conclusions.

1. The total area, which is now, or was in recent years, woodland of one kind or another, amounted in 1924 to 2,958,672 acres, equivalent to 5·3 per cent. of the total land area of Great Britain.

2. The woodlands were constituted as follows :—

	Acres.	Acres.	Per cent.
High Forest—			
Conifers 47	671,841		22.7
Hardwoods 34	443,354		15.0
Mixed 22	301,695		10.2
	<u>100</u>	1,416,890	= 47.9
Coppice-with-standards	428,880	11.7	
Coppice	99,800	3.4	
	<u> </u>	528,680	= 17.9
Scrub		330,703	= 11.2
Felled or devastated		478,106	= 16.1
		<u> </u>	
Total economic or potentially productive		2,754,379	= 93.1
Other woods not available for the commercial production of timber		204,293	= 6.9
		<u> </u>	
Total		2,958,672	= 100.0

3. The high forest (1,416,890 acres) is reasonably, but by no means fully, productive. The best timber was felled during and immediately after the war.

The coppice and coppice-with-standards (528,680 acres) represents under modern conditions a poor form of silviculture.

Scrub, 330,703 acres, and felled woodlands, 478,106 acres (in all 808,809 acres) represent over a quarter of the nominal woodland area and are producing nothing.

There remain 204,293 acres of amenity woods and shelter belts, park timber, etc., which primarily serve some purpose other than timber production.

4. The economic or potentially productive woodlands are estimated to contain in all about 2,262 million cubic feet of timber and pitwood.

5. The area cut over during and immediately after the war is estimated at rather less than 450,000 acres and the volume of timber felled at approximately 1,000 million cubic feet. This is equivalent to roughly one-third of the total volume standing in 1914.

6. At the present time and in consequence of the war fellings, reserves of mature coniferous timber are very low and equivalent to not more than six months' consumption. The younger crops are on the same scale but are well distributed through the various age-classes.

The reserves of mature hardwoods (mainly oak), which were not drawn on to the same extent during the war, are considerable although the average quality is not good. There is a great lack of

young hardwood plantations. Oak planting in particular has gone out of fashion in favour of conifers. When the existing mature and semi-mature oak woods have disappeared, as they are steadily doing, the supply of home-grown oak will become negligible.

7. There was distinct evidence in the woodland censuses of 1905 and 1913-14, that the total area of woodland was steadily diminishing. The average rate of planting from 1884 onwards had been about 12,000 acres per annum, which was roughly about 50 per cent. of the rate required to maintain the nominal woodland area in a good state of productivity. The unprecedented war fellings swept away the bulk of the best coniferous timber, the best ash and much good oak.

8. As regards the future, it is certain that fellings will go on steadily to provide revenue and that private planting at best will do no more than replace current fellings. Further, landowners are less and less inclined to plant hardwood trees, such as oak, which are unremunerative to grow. At the same time a gradual degeneration may be looked for in the stocking of coppice-with-standards and coppice woods. It is unlikely, therefore, that the area of effectively productive woodland in private ownership will in the future exceed $1\frac{1}{2}$ million acres, if indeed it reaches that figure. Any acreage over this figure which is deemed necessary for the welfare of the country will have to be planted by the State.

APPENDIX 1.

LIST OF COUNTY ORGANISERS WHO RENDERED ASSISTANCE IN
CONNEXION WITH THE CENSUS OF WOODLANDS.

P. C. Ackers, Esq.
A. Arnold, Esq.
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V. H. Bailey, Esq.
H. A. Benyon, Esq.
G. B. Bovill, Esq.
F. Brown, Esq.
F. V. Bruce.
W. E. Candy, Esq.
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Captain J. D. D. Evans.
L. Evers-Swindell, Esq.
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F. W. Forbes, Esq.
L. Fosbrooke, Esq.
S. Gilbert, Esq.
J. C. Harford, Esq.
J. Harris, Esq.
R. A. Hobbs, Esq.
H. Jacobs, Esq.

John Jones, Esq.
Brigadier-General H. G. J.
de Lotbinière.
J. Marsden-Smedley, Esq.
Rear-Admiral H. T. O. Marshall.
L. H. Marshall, Esq.
A. C. P. Medrington, Esq.
Hon. N. A. Orde-Powlett.
Colonel B. J. Petre.
J. S. Rutherford, Esq.
J. M. Simpson, Esq.
Colonel A. H. Smith.
C. F. Stone, Esq.
J. I. Storrar, Esq.
Thomas Thomson, Esq.
Colonel Sir H. L. Watkin Williams
Wynn, Bart.
H. J. Watson, Esq.
M. L. Wheldon, Esq.
E. B. Whish, Esq.
Percy Wilkinson, Esq.
Captain A. D. Wingate.
Leslie S. Wood, Esq.
W. H. Yeo, Esq.

APPENDIX 2 (a).**FORM OF RETURN.**

No. of Ordnance Sheet.....

CENSUS OF WOODLANDS.

(Classification by Area.)

Enquiry No.....

County Estate

Parish.....

Wood Owner

AGE CLASSES.						TOTAL.
1 to 10 Years.	11 to 20 Years.	21 to 40 Years.	41 to 80 Years.	Over 80 Years.		
Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	
I. Economic or potentially productive :—						
Conifers ..						
Mixed conifers and hard-woods ..						
Hardwoods ..						
TOTAL ..						
Coppice, and coppice-with-standards						
Scrub	
Felled, and/or devastated	
II. Uneconomic (including amenity woods, shelter belts, park timber, etc.)						
TOTAL						

III. Optional information as to whether the area is (a) fully stocked, (b) half stocked, (c) less than half stocked but not devastated.

.....

.....

.....

.....

Signature Description

Date 19 Address

.....

APPENDIX 2 (b).

INSTRUCTIONS FOR MARKING ORDNANCE SHEETS.

CENSUS OF WOODLANDS.

1. **Classification.**—All woodlands of 2 acres and upwards will be classified under the following heads :—

CLASSIFICATION OF WOODS.

AGE CLASSES.						TOTAL.
1 to 10 Years.	11 to 20 Years.	21 to 40 Years.	41 to 80 Years.	Over 80 Years.		
I. Economic or potentially productive:—						
(a) Conifers ..	A	B	C	D	E	
(b) Mixed conifers and h a r d - woods ..	F	G	H	J	K	
(c) H a r d - woods ..	L	M	N	O	P	
(d) Coppice and coppice-with-standards ..	..	..	..	..	Q
(e) Scrub .. ..	..	..	..	..	R
(f) Felled, and/or devastated ..	..	..	..	..	S
II. Uneconomic (including amenity woods, shelter belts, park timber, etc.) ..	..	..	..	..	T

2. **Marking Ordnance Sheets.** *Essential Information.*—Neglecting variations embracing areas of less than 2-acre extent, the boundaries of the different types stated in paragraph 1 above should be marked on the Ordnance Sheet, and the corresponding letter placed in the sub-division. Thus, the letter H in a sub-division would indicate that the crop therein was "Mixed conifers and hardwoods aged 21 to 40 years." The success of the survey will depend primarily on the way in which the Ordnance Sheets are marked and lettered.

Optional Information.—Where the area of a variation of crop is known or is easily computed, it should be entered below the letter indicating the type, *e.g.*, a 5-acre coniferous plantation 41 to 80 years old in an old hardwood area would be indicated thus— $\left\{ \begin{array}{l} D \\ 5 \text{ ac} \end{array} \right.$

Where the density of stocking of the crop can be given, such information will be useful. The following figures should be used in indicating density of stocking :—

Fully stocked	1.0	} Placed under the indicating letter.
Half stocked	..	..	..	..	0.5
Less than half stocked	..	..	..	..	<0.5

Thus the 5-acre coniferous wood 41 to 80 years old, if half stocked, would be indicated by $\left\{ \begin{array}{l} D \\ 5 \text{ ac} \\ 0.5 \end{array} \right.$

3. Definitions.—By “*Economic Woods*” are meant areas which are maintained for timber production, or, in virtue of the fact that they are not devoted primarily to any other purpose, may be regarded as potentially available for timber production.

By “*Uneconomic Woods*” are meant those areas which are not maintained for timber production, but primarily serve some other purpose.

“*Mixed Conifers and Hardwoods.*”—This category will only be used where it is difficult to classify a wood as “*Conifers*” or “*Hardwoods.*” Woods predominantly coniferous will be classified as conifers, and woods predominantly hardwoods as hardwoods.

By “*Coppice and Coppice-with-Standards*” are meant areas on which the underwood is regularly cut over. Overgrown oak and other coppice should be classified either as (a) *Hardwoods* where the crop is sufficiently good to give promise of growing into commercial timber, or (b) *Scrub* where it shows no such promise.

FORESTRY COMMISSION,

22, GROSVENOR GARDENS, S.W.1.

1921.

APPENDIX 3 (a).—ACREAGE UNDER WOODLANDS

TYPE OF WOODLAND.				BEDFORD.		BERKSHIRE.		BUCKINGHAM.	
				Area.	Percentage of Total Wood-land Area.	Area.	Percentage of Total Wood-land Area.	Area.	Percentage of Total Wood-land Area.
				Acres.		Acres.		Acres.	
	HIGH FOREST :—								
	Conifers—								
1	1-10 years	..	..	910	—	1,766	—	778	—
2	11-20	..	..	134	—	855	—	534	—
3	21-40	..	..	174	—	1,532	—	1,078	—
4	41-80	..	..	136	—	771	—	481	—
5	Over 80	..	..	334	—	225	—	144	—
	Total	..	..	1,688	—	5,149	—	3,015	—
	Hardwoods—								
6	1-10 years	..	..	43	—	54	—	66	—
7	11-20	..	..	66	—	209	—	349	—
8	21-40	..	..	310	—	1,218	—	692	—
9	41-80	..	..	1,329	—	2,661	—	10,374	—
10	Over 80	..	..	2,158	—	3,918	—	7,453	—
	Total	..	..	3,906	—	8,060	—	18,934	—
	Mixed conifers and hard-woods—								
11	1-10 years	..	..	44	—	305	—	78	—
12	11-20	..	..	19	—	268	—	173	—
13	21-40	..	..	119	—	837	—	379	—
14	41-80	..	..	756	—	1,000	—	1,171	—
15	Over 80	..	..	602	—	1,203	—	669	—
	Total	..	..	1,540	—	3,613	—	2,470	—
	Total High Forest—								
16	1-10 years	..	..	997	—	2,125	—	922	—
17	11-20	..	..	219	—	1,332	—	1,056	—
18	21-40	..	..	603	—	3,587	—	2,149	—
19	41-80	..	..	2,221	—	4,432	—	12,026	—
20	Over 80	..	..	3,094	—	5,346	—	8,266	—
	High Forest—Grand Total			7,134	54.3	16,822	42.2	24,419	70.7
21	COPPICE	..	..	214	1.6	1,548	3.9	225	0.6
22	COPPICE-WITH-STANDARDS			3,489	26.6	11,088	27.8	3,417	9.9
23	SCRUB	..	..	46	0.3	1,955	4.9	2,164	6.3
24	FELLED OR DEVASTATED	..	..	1,363	10.4	6,891	17.3	1,519	4.4
25	UNECONOMIC	..	..	893	6.8	1,560	3.9	2,788	8.1
	TOTAL	..	..	13,139	100	39,864	100	34,532	100
26	Total woodland area as shown in returns of 1913..			12,800	—	37,700	—	35,900	—
27	Total land area of County..			301,829	—	460,730	—	477,308	—
28	Woodland area (1924) as percentage of total land area			—	4.4	—	8.7	—	7.2

IN EACH COUNTY OF ENGLAND.

CAMBRIDGE.			CHESTER.		CORNWALL.		CUMBERLAND.	
Area.	Percentage of Total Wood-land Area.		Area.	Percentage of Total Wood-land Area.	Area.	Percentage of Total Wood-land Area.	Area.	Percentage of Total Wood-land Area.
Acres.			Acres.		Acres.		Acres.	
1	18	—	744	—	820	—	1,526	—
2	126	—	379	—	332	—	998	—
3	223	—	853	—	776	—	2,029	—
4	139	—	535	—	952	—	1,937	—
5	—	—	320	—	201	—	203	—
	506	—	2,831	—	3,081	—	6,693	—
6	9	—	137	—	179	—	71	—
7	3	—	159	—	164	—	205	—
8	7	—	586	—	567	—	498	—
9	734	—	1,196	—	1,470	—	2,669	—
10	143	—	2,425	—	2,642	—	3,700	—
	896	—	4,503	—	5,022	—	7,143	—
11	7	—	137	—	221	—	158	—
12	42	—	635	—	101	—	308	—
13	189	—	1,001	—	499	—	1,324	—
14	728	—	2,113	—	2,495	—	2,853	—
15	159	—	2,625	—	1,784	—	825	—
	1,125	—	6,511	—	5,100	—	5,468	—
16	34	—	1,018	—	1,220	—	1,755	—
17	171	—	1,173	—	597	—	1,511	—
18	419	—	2,440	—	1,842	—	3,851	—
19	1,601	—	3,844	—	4,917	—	7,459	—
20	302	—	5,370	—	4,627	—	4,728	—
	2,527	45·6	13,845	62·6	13,203	47·2	19,304	55·3
21	454	8·2	330	1·5	6,183	22·1	654	1·9
22	1,114	20·1	388	1·8	1,930	6·9	1,161	3·3
23	42	0·7	1,906	8·6	2,580	9·2	2,815	8·0
24	511	9·2	3,238	14·7	2,468	8·8	9,883	28·3
25	897	16·2	2,393	10·8	1,621	5·8	1,104	3·2
	5,545	100	22,100	100	27,985	100	34,921	100
26	6,800	—	24,800	—	32,600	—	35,200	—
27	551,466	—	647,559	—	866,320	—	961,544	—
28	—	1·0	—	3·4	—	3·2	—	3·6

APPENDIX 3 (a).—ACREAGE UNDER WOODLANDS

TYPE OF WOODLAND.				DERBY.		DEVON.		DORSET.	
				Area.	Percentage of Total Wood-land Area.	Area.	Percentage of Total Wood-land Area.	Area.	Percentage of Total Wood-land Area.
				Acres.		Acres.		Acres.	
	HIGH FOREST :—								
	Conifers—								
1	1-10 years	..	..	303	—	4,348	—	1,101	—
2	11-20	..	..	413	—	2,265	—	405	—
3	21-40	..	..	895	—	3,170	—	915	—
4	41-80	..	..	571	—	2,621	—	1,445	—
5	Over 80	..	..	255	—	554	—	84	—
	Total	..	..	2,437	—	12,958	—	3,950	—
	Hardwoods—								
6	1-10 years	..	..	56	—	198	—	2	—
7	11-20	..	..	147	—	256	—	60	—
8	21-40	..	..	805	—	1,220	—	343	—
9	41-80	..	..	2,449	—	10,283	—	2,642	—
10	Over 80	..	..	2,497	—	6,626	—	3,027	—
	Total	..	..	5,954	—	18,583	—	6,074	—
	Mixed conifers and hard-woods—								
11	1-10 years	..	..	175	—	304	—	82	—
12	11-20	..	..	497	—	379	—	140	—
13	21-40	..	..	1,700	—	2,591	—	1,180	—
14	41-80	..	..	1,939	—	7,646	—	1,274	—
15	Over 80	..	..	675	—	2,957	—	388	—
	Total	..	..	4,986	—	13,877	—	3,064	—
	Total High Forest—								
16	1-10 years	..	..	534	—	4,850	—	1,185	—
17	11-20	..	..	1,057	—	2,900	—	605	—
18	21-40	..	..	3,400	—	6,981	—	2,438	—
19	41-80	..	..	4,959	—	20,550	—	5,361	—
20	Over 80	..	..	3,427	—	10,137	—	3,499	—
	High Forest—Grand Total			13,377	62.3	45,418	56.3	13,088	33.4
21	COPPICE	..	..	262	1.2	8,599	10.7	1,873	4.8
22	COPPICE-WITH-STANDARDS	..	..	443	2.1	6,963	8.6	14,820	37.8
23	SCRUB	..	..	2,225	10.4	5,980	7.4	1,764	4.5
24	FELLED OR DEVASTATED	..	..	3,280	15.3	11,344	14.1	3,984	10.1
25	UNECONOMIC	..	..	1,864	8.7	2,306	2.9	3,673	9.4
	TOTAL	..	..	21,451	100	80,610	100	39,202	100
26	Total woodland area as shown in returns of 1913..			26,700	—	88,500	—	38,200	—
27	Total land area of County..			646,168	—	1,666,797	—	624,031	—
28	Woodland area (1924) as percentage of total land area			—	3.3	—	4.8	—	6.3

IN EACH COUNTY OF ENGLAND—*continued.*

DURHAM.			ESSEX.			GLOUCESTER.			HAMPSHIRE.		
Area.		Percentage of Total Wood- land Area.	Area.		Percentage of Total Wood- land Area.	Area.		Percentage of Total Wood- land Area.	Area.		Percentage of Total Wood- land Area.
	Acres.			Acres.			Acres.			Acres.	
1	1,205	—		128	—		3,428	—		4,849	—
2	947	—		162	—		1,978	—		1,773	—
3	1,511	—		105	—		1,855	—		4,234	—
4	2,559	—		60	—		738	—		5,050	—
5	254	—		24	—		36	—		1,310	—
	6,476	—		479	—		8,035	—		17,216	—
6	31	—		46	—		827	—		227	—
7	57	—		409	—		1,146	—		214	—
8	38	—		691	—		2,133	—		1,170	—
9	2,817	—		2,289	—		4,164	—		7,677	—
10	5,189	—		2,214	—		11,740	—		6,685	—
	8,132	—		5,649	—		20,010	—		15,973	—
11	272	—		63	—		484	—		93	—
12	594	—		28	—		830	—		204	—
13	1,457	—		394	—		1,803	—		3,365	—
14	2,956	—		637	—		1,673	—		8,437	—
15	1,274	—		216	—		977	—		5,081	—
	6,553	—		1,338	—		5,767	—		17,180	—
16	1,508	—		237	—		4,739	—		5,169	—
17	1,598	—		599	—		3,954	—		2,191	—
18	3,006	—		1,190	—		5,791	—		8,769	—
19	8,332	—		2,986	—		6,575	—		21,164	—
20	6,717	—		2,454	—		12,753	—		13,076	—
	21,161	64·2		7,466	24·5		33,812	58·1		50,369	41·3
21	—	—		686	2·2		1,273	2·2		2,665	2·2
22	39	0·1		12,199	40·1		15,085	25·9		50,554	41·4
23	1,834	5·6		2,254	7·4		1,553	2·7		2,260	1·8
24	8,398	25·5		1,516	5·0		5,507	9·4		9,657	7·9
25	1,530	4·6		6,325	20·8		976	1·7		6,533	5·4
	32,962	100		30,446	100		58,206	100		122,038	100
26	30,300	—		35,500	—		56,300	—		119,500	—
27	645,739	—		976,125	—		803,246	—		1,048,954	—
28	—	5·1		—	3·1		—	7·2		—	11·6

APPENDIX 3 (a)—ACREAGE UNDER WOODLANDS

TYPE OF WOODLAND.				HEREFORD.		HERTFORD.		HUNTINGDON.	
				Area.	Percentage of Total Wood-land Area.	Area.	Percentage of Total Wood-land Area.	Area.	Percentage of Total Wood-land Area.
	HIGH FOREST :—			Acres.		Acres.		Acres.	
	Conifers—								
1	1-10 years	1,628	—	58	—	—	—	—	—
2	11-20 "	438	—	193	—	8	—	—	—
3	21-40 "	382	—	390	—	293	—	—	—
4	41-80 "	73	—	263	—	28	—	—	—
5	Over 80 "	14	—	303	—	—	—	—	—
	Total	2,535	—	1,207	—	329	—	—	—
	Hardwoods—								
6	1-10 years	292	—	13	—	—	—	—	—
7	11-20 "	258	—	9	—	—	—	—	—
8	21-40 "	1,433	—	126	—	—	—	—	—
9	41-80 "	2,238	—	1,334	—	803	—	—	—
10	Over 80 "	1,948	—	4,014	—	65	—	—	—
	Total	6,169	—	5,496	—	868	—	—	—
	Mixed conifers and hard- woods—								
11	1-10 years	374	—	51	—	5	—	—	—
12	11-20 "	415	—	239	—	—	—	—	—
13	21-40 "	1,001	—	526	—	61	—	—	—
14	41-80 "	1,242	—	914	—	139	—	—	—
15	Over 80 "	292	—	690	—	—	—	—	—
	Total	3,324	—	2,420	—	205	—	—	—
	Total High Forest—								
16	1-10 years	2,294	—	122	—	5	—	—	—
17	11-20 "	1,111	—	441	—	8	—	—	—
18	21-40 "	2,816	—	1,042	—	354	—	—	—
19	41-80 "	3,553	—	2,511	—	970	—	—	—
20	Over 80 "	2,254	—	5,007	—	65	—	—	—
	High Forest—Grand Total	12,028	27·8	9,123	35·2	1,402	31·0	—	—
21	COPPICE	6,793	15·7	12,086	46·7	37	0·8	—	—
22	COPPICE-WITH-STANDARDS	13,568	31·4			1,598	35·3	—	—
23	SCRUB	2,129	4·9			52	1·1	—	—
24	FELLED OR DEVASTATED ..	8,381	19·4	1,824	7·0	393	8·7	—	—
25	UNECONOMIC	344	0·8	2,459	9·5	1,043	23·1	—	—
	TOTAL	43,243	100	25,912	100	4,525	100	—	—
26	Total woodland area as shown in returns of 1913..	42,400	—	21,000	—	5,000	—	—	—
27	Total land area of County..	536,071	—	402,861	—	233,221	—	—	—
28	Woodland area (1924) as percentage of total land area	—	8·1	—	6·4	—	1·9	—	—

IN EACH COUNTY OF ENGLAND—*continued.*

KENT.		LANCASHIRE.		LEICESTER.		LINCOLN.	
Area.	Percentage of Total Wood-land Area.	Area.	Percentage of Total Wood-land Area.	Area.	Percentage of Total Wood-land Area.	Area.	Percentage of Total Wood-land Area.
Acres.		Acres.		Acres.		Acres.	
1 670	—	90	—	100	—	479	—
2 514	—	318	—	77	—	463	—
3 603	—	488	—	277	—	1,508	—
4 368	—	2,491	—	30	—	274	—
5 10	—	45	—	51	—	156	—
2,165	—	3,432	—	535	—	2,880	—
6 111	—	—	—	54	—	72	—
7 260	—	4	—	15	—	408	—
8 609	—	422	—	196	—	2,813	—
9 2,776	—	4,239	—	2,219	—	4,776	—
10 1,186	—	1,255	—	1,882	—	7,814	—
4,942	—	5,920	—	4,366	—	15,883	—
11 125	—	491	—	462	—	871	—
12 71	—	202	—	135	—	1,111	—
13 922	—	941	—	951	—	3,283	—
14 919	—	5,427	—	1,095	—	1,935	—
15 331	—	720	—	1,443	—	560	—
2,368	—	7,781	—	4,086	—	7,760	—
16 906	—	581	—	616	—	1,422	—
17 845	—	524	—	227	—	1,982	—
18 2,134	—	1,851	—	1,424	—	7,604	—
19 4,063	—	12,157	—	3,344	—	6,985	—
20 1,527	—	2,020	—	3,376	—	8,530	—
9,475	8·8	17,133	43·3	8,987	67·3	26,523	64·9
21 9,339	8·6	2,938	7·4	419	3·2	441	1·1
22 72,010	66·5	4,621	11·7	1,883	14·1	2,933	7·2
23 5,142	4·7	1,935	4·9	935	7·0	1,315	3·2
24 6,464	6·0	3,197	8·1	872	6·5	7,291	17·8
25 5,825	5·4	9,754	24·6	257	1·9	2,369	5·8
108,255	100	39,578	100	13,353	100	40,872	100
26 95,000	—	41,800	—	14,200	—	44,900	—
27 972,940	—	1,182,432	—	530,642	—	1,700,844	—
28 —	11·1	—	3·3	—	2·5	—	2·4

APPENDIX 3 (a).—ACREAGE UNDER WOODLANDS

TYPE OF WOODLAND.				MIDDLESEX.		NORFOLK.		NORTHAMPTON.	
				Area.	Percentage of Total Wood-land Area.	Area.	Percentage of Total Wood-land Area.	Area.	Percentage of Total Wood-land Area.
	HIGH FOREST:—			Acres.		Acres.		Acres.	
	Conifers—								
1	1-10 years	—	—	6,785	—	736	—		
2	11-20 „	—	—	1,202	—	217	—		
3	21-40 „	—	—	1,754	—	219	—		
4	41-80 „	17	—	1,592	—	24	—		
5	Over 80 „	10	—	1,089	—	24	—		
	Total	27	—	12,422	—	1,220	—		
	Hardwoods—								
6	1-10 years	—	—	43	—	135	—		
7	11-20 „	—	—	362	—	199	—		
8	21-40 „	—	—	847	—	367	—		
9	41-80 „	161	—	1,492	—	2,963	—		
10	Over 80 „	94	—	2,826	—	4,082	—		
	Total	255	—	5,570	—	7,746	—		
	Mixed conifers and hard-woods—								
11	1-10 years	—	—	414	—	65	—		
12	11-20 „	—	—	748	—	82	—		
13	21-40 „	154	—	1,222	—	448	—		
14	41-80 „	61	—	5,456	—	249	—		
15	Over 80 „	—	—	3,967	—	106	—		
	Total	215	—	11,807	—	950	—		
	Total High Forest—								
16	1-10 years	—	—	7,242	—	936	—		
17	11-20 „	—	—	2,312	—	498	—		
18	21-40 „	154	—	3,823	—	1,034	—		
19	41-80 „	239	—	8,540	—	3,236	—		
20	Over 80 „	104	—	7,882	—	4,212	—		
	High Forest—Grand Total	497	26.2	29,799	60.9	9,916	39.5		
21	COPPICE	17	0.9	1,707	3.5	524	2.1		
22	COPPICE-WITH-STANDARDS	504	26.5	4,556	9.3	11,993	47.8		
23	SCRUB	42	2.2	1,843	3.8	444	1.8		
24	FELLED OR DEVASTATED ..	383	20.2	5,878	12.0	1,553	6.2		
25	UNECONOMIC	454	24.0	5,138	10.5	657	2.6		
	TOTAL	1,897	100	48,921	100	25,087	100		
26	Total woodland area as shown in returns of 1913..	3,400	—	58,100	—	28,600	—		
27	Total land area of County..	219,992	—	1,308,156	—	636,123	—		
28	Woodland area (1924) as percentage of total land area	—	0.9	—	3.7	—	3.9		

IN EACH COUNTY OF ENGLAND—*continued.*

NORTHUMBERLAND.			NOTTINGHAM.		OXFORD.		RUTLAND.	
Area.	Percentage of Total Wood-land Area.		Area.	Percentage of Total Wood-land Area.	Area.	Percentage of Total Wood-land Area.	Area.	Percentage of Total Wood-land Area.
	Acres.		Acres.		Acres.		Acres.	
1	2,739	—	1,132	—	142	—	3	—
2	2,370	—	1,088	—	301	—	13	—
3	5,796	—	1,966	—	456	—	22	—
4	6,928	—	497	—	151	—	47	—
5	823	—	218	—	98	—	—	—
	18,656	—	4,901	—	1,148	—	85	—
6	10	—	102	—	170	—	—	—
7	28	—	261	—	131	—	10	—
8	687	—	401	—	1,000	—	134	—
9	3,615	—	3,700	—	6,331	—	68	—
10	3,018	—	7,849	—	4,846	—	920	—
	7,358	—	12,313	—	12,478	—	1,132	—
11	210	—	218	—	39	—	20	—
12	364	—	505	—	506	—	15	—
13	1,573	—	1,678	—	463	—	207	—
14	5,049	—	1,202	—	311	—	47	—
15	2,652	—	1,533	—	270	—	56	—
	9,848	—	5,136	—	1,589	—	345	—
16	2,959	—	1,452	—	351	—	23	—
17	2,762	—	1,854	—	938	—	38	—
18	8,056	—	4,045	—	1,919	—	363	—
19	15,592	—	5,399	—	6,793	—	162	—
20	6,493	—	9,600	—	5,214	—	976	—
	35,862	64.4	22,350	73.9	15,215	60.5	1,562	57.9
21	17	0.0	390	1.3	513	2.1	22	0.8
22	208	0.4	1,751	5.8	3,478	13.8	223	8.3
23	4,036	7.3	1,361	4.5	1,819	7.2	54	2.0
24	11,433	20.5	3,703	12.2	1,887	7.5	780	28.9
25	4,144	7.4	698	2.3	2,231	8.9	58	2.1
	55,700	100	30,253	100	25,143	100	2,699	100
26	55,900	—	31,300	—	26,100	—	3,800	—
27	1,284,189	—	536,678	—	476,663	—	97,087	—
28	—	4.3	—	5.6	—	5.3	—	2.8

APPENDIX 3 (a).—ACREAGE UNDER WOODLANDS

TYPE OF WOODLAND.				SALOP.		SOMERSET.		STAFFORD.	
				Area.	Percentage of Total Wood-land Area.	Area.	Percentage of Total Wood-land Area.	Area.	Percentage of Total Wood-land Area.
				Acres.		Acres.		Acres.	
	HIGH FOREST :—								
	Conifers—								
1	1-10 years	..	..	1,627	—	3,109	—	2,886	—
2	11-20	..	..	1,267	—	1,365	—	480	—
3	21-40	..	..	1,842	—	2,023	—	797	—
4	41-80	..	..	1,070	—	2,068	—	1,481	—
5	Over 80	..	..	34	—	14	—	1,138	—
	Total	..	..	5,840	—	8,579	—	6,782	—
	Hardwoods—								
6	1-10 years	..	..	409	—	120	—	43	—
7	11-20	..	..	410	—	149	—	57	—
8	21-40	..	..	347	—	613	—	829	—
9	41-80	..	..	6,540	—	4,451	—	3,305	—
10	Over 80	..	..	7,442	—	1,761	—	4,046	—
	Total	..	..	15,148	—	7,094	—	8,280	—
	Mixed conifers and hard-woods—								
11	1-10 years	..	..	583	—	89	—	481	—
12	11-20	..	..	615	—	508	—	336	—
13	21-40	..	..	1,797	—	1,290	—	1,776	—
14	41-80	..	..	4,498	—	2,231	—	2,968	—
15	Over 80	..	..	1,419	—	585	—	1,402	—
	Total	..	..	8,912	—	4,703	—	6,963	—
	Total High Forest—								
16	1-10 years	..	..	2,619	—	3,318	—	3,410	—
17	11-20	..	..	2,292	—	2,022	—	873	—
18	21-40	..	..	3,986	—	3,926	—	3,402	—
19	41-80	..	..	12,108	—	8,750	—	7,754	—
20	Over 80	..	..	8,895	—	2,360	—	6,586	—
	High Forest—Grand Total			29,900	59.4	20,376	44.8	22,025	58.3
21	COPPICE	..	..	1,543	3.1	4,742	10.4	1,504	4.0
22	COPPICE-WITH-STANDARDS			3,774	7.5	10,353	22.8	1,674	4.4
23	SCRUB	..	..	2,942	5.8	4,154	9.1	2,555	6.8
24	FELLED OR DEVASTATED	..	..	10,647	21.1	4,820	10.6	4,878	12.9
25	UNECONOMIC	..	..	1,576	3.1	1,055	2.3	5,153	13.6
	TOTAL	..	..	50,382	100	45,500	100	37,789	100
26	Total woodland area as shown in returns of 1913..			53,000	—	46,900	—	38,900	—
27	Total land area of County..			856,623	—	1,034,720	—	734,920	—
28	Woodland area (1924) as percentage of total land area			—	5.9	—	4.4	—	5.1

IN EACH COUNTY OF ENGLAND—*continued.*

SUFFOLK.		SURREY.		SUSSEX.		WARWICK.	
Area.	Percentage of Total Wood-land Area.	Area.	Percentage of Total Wood-land Area.	Area.	Percentage of Total Wood-land Area.	Area.	Percentage of Total Wood-land Area.
Acres.		Acres.		Acres.		Acres.	
1	387 —	738 —		2,217 —		169 —	
2	1,704 —	465 —		1,282 —		109 —	
3	1,317 —	1,888 —		1,403 —		254 —	
4	1,727 —	3,325 —		1,179 —		155 —	
5	794 —	327 —		591 —		— —	
	5,929 —	6,743 —		6,672 —		687 —	
6	154 —	50 —		74 —		8 —	
7	177 —	161 —		584 —		324 —	
8	472 —	526 —		1,927 —		704 —	
9	2,399 —	1,972 —		3,128 —		3,785 —	
10	5,193 —	3,751 —		7,601 —		2,682 —	
	8,395 —	6,460 —		13,314 —		7,503 —	
11	455 —	176 —		263 —		48 —	
12	608 —	273 —		439 —		87 —	
13	772 —	996 —		2,154 —		956 —	
14	1,318 —	3,136 —		2,251 —		1,141 —	
15	2,532 —	1,757 —		2,679 —		265 —	
	5,685 —	6,338 —		7,786 —		2,497 —	
16	996 —	964 —		2,554 —		225 —	
17	2,489 —	899 —		2,305 —		520 —	
18	2,561 —	3,410 —		5,484 —		1,914 —	
19	5,444 —	8,433 —		6,558 —		5,081 —	
20	8,519 —	5,835 —		10,871 —		2,947 —	
	20,009 55.0	19,541 34.6		27,772 21.3		10,687 55.3	
21	} 10,711 29.4	2,673 4.7		7,642 5.9		1,144 5.9	
22		20,413 36.2		74,034 56.9		4,752 24.6	
23		3,380 6.0		4,698 3.6		1,210 6.3	
24		7,489 13.3		9,132 7.0		962 5.0	
25		2,963 5.2		6,840 5.3		565 2.9	
	36,371 100	56,459 100		130,118 100		19,320 100	
26	39,300 —	55,900 —		127,600 —		19,800 —	
27	945,411 —	458,211 —		928,735 —		601,451 —	
28	— 3.8	— 12.3		— 14.0		— 3.2	

APPENDIX 3 (a).—ACREAGE UNDER WOODLANDS

TYPE OF WOODLAND.				WESTMORLAND.		WILTSHIRE.		WORCESTER.	
				Area.	Percentage of Total Wood-land Area.	Area.	Percentage of Total Wood-land Area.	Area.	Percentage of Total Wood-land Area.
	HIGH FOREST :—			Acres.		Acres.		Acres.	
	Conifers—								
1	1-10 years			184	—	962	—	364	—
2	11-20 "			912	—	1,039	—	544	—
3	21-40 "			576	—	1,371	—	399	—
4	41-80 "			737	—	847	—	84	—
5	Over 80 "			152	—	113	—	—	—
	Total			2,561	—	4,332	—	1,391	—
	Hardwoods—								
6	1-10 years			7	—	276	—	119	—
7	11-20 "			—	—	498	—	6	—
8	21-40 "			64	—	1,216	—	394	—
9	41-80 "			474	—	5,136	—	1,028	—
10	Over 80 "			1,511	—	3,091	—	969	—
	Total			2,056	—	10,217	—	2,516	—
	Mixed conifers and hard- woods—								
11	1-10 years			4	—	319	—	85	—
12	11-20 "			48	—	242	—	179	—
13	21-40 "			765	—	1,442	—	1,132	—
14	41-80 "			2,146	—	2,354	—	756	—
15	Over 80 "			405	—	1,770	—	224	—
	Total			3,368	—	6,127	—	2,376	—
	Total High Forest—								
16	1-10 years			195	—	1,557	—	568	—
17	11-20 "			960	—	1,779	—	729	—
18	21-40 "			1,405	—	4,029	—	1,925	—
19	41-80 "			3,357	—	8,337	—	1,868	—
20	Over 80 "			2,068	—	4,974	—	1,193	—
	High Forest—Grand Total			7,985	50·1	20,676	40·5	6,283	30·7
21	COPPICE			839	5·3	2,007	3·9	2,027	9·9
22	COPPICE-WITH-STANDARDS			1,413	8·9	18,600	36·4	9,801	47·8
23	SCRUB			1,734	10·9	2,310	4·5	557	2·7
24	FELLED OR DEVASTATED ..			2,700	16·9	2,934	5·8	1,049	5·1
25	UNECONOMIC			1,262	7·9	4,536	8·9	786	3·8
	TOTAL			15,933	100	51,063	100	20,503	100
26	Total woodland area as shown in returns of 1913 ..			17,300	—	51,900	—	21,800	—
27	Total land area of County ..			496,464	—	861,366	—	455,214	—
28	Woodland area (1924) as percentage of total land area			—	3·2	—	5·9	—	4·5

IN EACH COUNTY OF ENGLAND—*continued.*

YORKSHIRE, E.R.			YORKSHIRE, N.R.		YORKSHIRE, W.R.		TOTAL, ENGLAND.	
Area.	Percentage of Total Wood- land Area.		Area.	Percentage of Total Wood- land Area.	Area.	Percentage of Total Wood- land Area.	Area.	Percentage of Total Wood- land Area.
	Acres.		Acres.		Acres.		Acres.	
1	794	—	1,641	—	988	—	52,552	—
2	724	—	1,640	—	1,219	—	31,253	—
3	1,444	—	3,123	—	2,198	—	52,139	—
4	672	—	2,383	—	1,633	—	48,139	—
5	52	—	793	—	355	—	11,148	—
	3,686	—	9,580	—	6,393	—	195,231	—
6	21	—	30	—	166	—	4,425	—
7	107	—	129	—	607	—	8,598	—
8	341	—	1,075	—	1,859	—	29,680	—
9	1,260	—	4,002	—	11,017	—	137,966	—
10	2,053	—	5,819	—	9,652	—	157,787	—
	3,782	—	11,055	—	23,301	—	338,456	—
11	316	—	206	—	554	—	9,347	—
12	495	—	767	—	588	—	13,796	—
13	1,845	—	3,429	—	2,925	—	51,547	—
14	1,956	—	6,603	—	5,182	—	96,264	—
15	571	—	2,850	—	922	—	49,436	—
	5,183	—	13,855	—	10,171	—	220,390	—
16	1,131	—	1,877	—	1,708	—	66,324	—
17	1,326	—	2,536	—	2,414	—	53,647	—
18	3,630	—	7,627	—	6,982	—	133,366	—
19	3,888	—	12,988	—	17,832	—	282,369	—
20	2,676	—	9,462	—	10,929	—	218,371	—
	12,651	71·5	34,490	58·1	39,865	64·2	754,077	46·2
21	—	—	214	0·4	1,223	2·0	485,229	29·8
22	7	0·1	484	0·8	1,430	2·3		
23	478	2·7	6,174	10·4	5,336	8·6		
24	3,805	21·5	13,258	22·4	6,598	10·6		
25	743	4·2	4,706	7·9	7,648	12·3	109,529	6·7
	17,684	100	59,326	100	62,100	100	1,630,987	100
26	18,500	—	56,500	—	67,600	—	1,667,300	—
27	748,263	—	1,356,846	—	1,763,304	—	32,037,243	—
28	—	2·4	—	4·4	—	3·5	—	5·1

APPENDIX 3 (b).—ACREAGE UNDER WOODLANDS

TYPE OF WOODLAND.				ANGLESEY.		BRECON.		CARDIGAN.	
				Area.	Percentage of Total Wood-land Area.	Area.	Percentage of Total Wood-land Area.	Area.	Percentage of Total Wood-land Area.
	HIGH FOREST :—			Acres.		Acres.		Acres.	
	Conifers—								
1	1-10 years	3	—	864	—	774	—		
2	11-20 "	15	—	637	—	86	—		
3	21-40 "	7	—	717	—	696	—		
4	41-80 "	76	—	244	—	361	—		
5	Over 80 "	—	—	27	—	285	—		
	Total	101	—	2,489	—	2,202	—		
	Hardwoods—								
6	1-10 years	14	—	79	—	—	—		
7	11-20 "	—	—	450	—	10	—		
8	21-40 "	3	—	777	—	86	—		
9	41-80 "	86	—	2,129	—	141	—		
10	Over 80 "	170	—	2,169	—	358	—		
	Total	273	—	5,604	—	595	—		
	Mixed conifers and hard-woods—								
11	1-10 years	8	—	56	—	98	—		
12	11-20 "	—	—	57	—	65	—		
13	21-40 "	16	—	405	—	147	—		
14	41-80 "	282	—	598	—	116	—		
15	Over 80 "	150	—	101	—	18	—		
	Total	456	—	1,217	—	444	—		
	Total High Forest—								
16	1-10 years	25	—	999	—	872	—		
17	11-20 "	15	—	1,144	—	161	—		
18	21-40 "	26	—	1,899	—	929	—		
19	41-80 "	444	—	2,971	—	618	—		
20	Over 80 "	320	—	2,297	—	661	—		
	High Forest—Grand Total	830	40.1	9,310	33.1	3,241	24.7		
21	COPPICE	40	1.9	2,974	10.6	1,822	13.9		
22	COPPICE-WITH-STANDARDS	28	1.4			202	1.5		
23	SCRUB	112	5.4	7,869	27.9	919	7.0		
24	FELLED OR DEVASTATED ..	48	2.3	7,388	26.2	6,617	50.4		
25	UNECONOMIC	1,010	48.9	609	2.2	325	2.5		
	TOTAL	2,068	100	28,150	100	13,126	100		
26	Total woodland area as shown in returns of 1913..	2,400	—	14,300	—	18,400	—		
27	Total land area of County	175,695	—	466,347	—	441,237	—		
28	Woodland area (1924) as percentage of total land area	—	1.2	—	6.0	—	3.0		

IN EACH COUNTY OF WALES.

CARMARTHEN.		CARNARVON.		DENBIGH.		FLINT.	
Area.	Percentage of Total Wood- land Area.	Area.	Percentage of Total Wood- land Area.	Area.	Percentage of Total Wood- land Area.	Area.	Percentage of Total Wood- land Area.
Acres.		Acres.		Acres.		Acres.	
1 806	—	1,788	—	758	—	238	—
2 510	—	222	—	524	—	157	—
3 409	—	395	—	1,200	—	253	—
4 120	—	332	—	1,220	—	196	—
5 40	—	142	—	72	—	29	—
1,885	—	2,879	—	3,774	—	873	—
6 51	—	9	—	6	—	—	—
7 82	—	185	—	30	—	20	—
8 617	—	20	—	271	—	368	—
9 880	—	1,105	—	1,527	—	1,283	—
10 806	—	1,192	—	2,006	—	721	—
2,436	—	2,511	—	3,840	—	2,392	—
11 35	—	33	—	93	—	30	—
12 91	—	10	—	56	—	136	—
13 664	—	738	—	818	—	336	—
14 337	—	1,156	—	2,355	—	861	—
15 463	—	605	—	958	—	453	—
1,590	—	2,542	—	4,280	—	1,816	—
16 892	—	1,830	—	857	—	268	—
17 683	—	417	—	610	—	313	—
18 1,690	—	1,153	—	2,289	—	957	—
19 1,337	—	2,593	—	5,102	—	2,340	—
20 1,309	—	1,939	—	3,036	—	1,203	—
5,911	25·8	7,932	60·3	11,894	68·2	5,081	70·9
21 2,974	13·0	—	—	836	4·8	204	2·9
22 2,589	11·3	11	0·1	636	3·6	122	1·7
23 2,473	10·8	1,429	10·9	634	3·6	555	7·7
24 8,154	35·6	3,127	23·8	3,055	17·5	1,035	14·4
25 819	3·5	646	4·9	392	2·3	173	2·4
22,920	100	13,145	100	17,447	100	7,170	100
26 22,900	—	16,000	—	19,000	—	7,600	—
27 586,152	—	360,306	—	426,186	—	163,041	—
28 —	3·9	—	3·6	—	4·1	—	4·4

APPENDIX 3 (b).—ACREAGE UNDER WOODLANDS

TYPE OF WOODLAND.				GLAMORGAN.		MERIONETH.		MONMOUTH.	
				Area.	Percentage of Total Wood-land Area.	Area.	Percentage of Total Wood-land Area.	Area.	Percentage of Total Wood-land Area.
	HIGH FOREST :—			Acres.		Acres.		Acres.	
	Conifers—								
1	1-10 years			3,060	—	385	—	3,467	—
2	11-20 „			2,436	—	231	—	10,041	—
3	21-40 „			682	—	565	—	744	—
4	41-80 „			74	—	866	—	177	—
5	Over 80 „			5	—	530	—	—	—
	Total			6,257	—	2,577	—	14,429	—
	Hardwoods—								
6	1-10 years			29	—	47	—	73	—
7	11-20 „			181	—	—	—	508	—
8	21-40 „			796	—	506	—	1,289	—
9	41-80 „			1,491	—	2,691	—	2,157	—
10	Over 80 „			382	—	2,274	—	1,013	—
	Total			2,879	—	5,518	—	5,040	—
	Mixed conifers and hard-woods—								
11	1-10 years			136	—	100	—	258	—
12	11-20 „			459	—	9	—	108	—
13	21-40 „			438	—	159	—	238	—
14	41-80 „			1,078	—	888	—	493	—
15	Over 80 „			298	—	260	—	—	—
	Total			2,409	—	1,416	—	1,097	—
	Total High Forest—								
16	1-10 years			3,225	—	532	—	3,798	—
17	11-20 „			3,076	—	240	—	10,657	—
18	21-40 „			1,916	—	1,230	—	2,271	—
19	41-80 „			2,643	—	4,445	—	2,827	—
20	Over 80 „			685	—	3,064	—	1,013	—
	High Forest—Grand Total			11,545	39.6	9,511	51.0	20,566	46.2
21	COPPICE			2,376	8.1	68	0.4	5,958	13.4
22	COPPICE-WITH-STANDARDS			2,558	8.8	269	1.4	9,916	22.3
23	SCRUB			4,855	16.6	4,314	23.2	3,441	7.7
24	FELLED OR DEVASTATED ..			6,202	21.3	3,398	18.2	4,449	10.0
25	UNECONOMIC			1,641	5.6	1,079	5.8	167	0.4
	TOTAL			29,177	100	18,639	100	44,497	100
26	Total woodland area as shown in returns of 1913..			25,800	—	15,300	—	29,800	—
27	Total land area of County			516,194	—	418,475	—	347,486	—
28	Woodland area (1924) as percentage of total land area			—	5.7	—	4.5	—	12.8

IN EACH COUNTY OF WALES—*continued.*

MONTGOMERY.			PEMBROKE.		RADNOR.		TOTAL, WALES.	
Area.		Percentage of Total Wood-land Area.	Area.		Percentage of Total Wood-land Area.	Area.		Percentage of Total Wood-land Area.
Acres.			Acres.			Acres.		
1	1,361	—	18	—	537	14,059	—	—
2	1,974	—	167	—	814	17,814	—	—
3	1,964	—	254	—	451	8,337	—	—
4	906	—	169	—	567	5,308	—	—
5	179	—	41	—	72	1,422	—	—
6,384		—	649		—	2,441		—
6	24	—	15	—	5	352	—	—
7	45	—	84	—	32	1,627	—	—
8	577	—	688	—	328	6,326	—	—
9	2,003	—	606	—	1,695	17,794	—	—
10	4,443	—	421	—	1,903	17,858	—	—
7,092		—	1,814		—	3,963		—
11	57	—	7	—	52	963	—	—
12	234	—	32	—	33	1,290	—	—
13	676	—	660	—	104	5,399	—	—
14	1,028	—	688	—	325	10,205	—	—
15	400	—	409	—	134	4,249	—	—
2,395		—	1,796		—	648		—
16	1,442	—	40	—	594	15,374	—	—
17	2,253	—	283	—	879	20,731	—	—
18	3,217	—	1,602	—	883	20,062	—	—
19	3,937	—	1,463	—	2,587	33,307	—	—
20	5,022	—	871	—	2,109	23,529	—	—
15,871		47·9	4,259		45·2	7,052		48·5
21	455	1·4	212	2·2	365	35,331	13·9	—
22			265	2·8	451			
23			274	2·9	3,305			
24			4,133	43·8	3,018			
25	503	1·5	288	3·1	359	8,011	3·2	—
33,141		100	9,431		100	14,550		100
26	23,900	—	10,300	—	10,800	216,500	—	—
27	505,738	—	392,384	—	299,521	5,098,762	—	—
28	—	6·6	—	2·4	—	—	5·0	—

APPENDIX 3 (c).—ACREAGE UNDER WOODLANDS

TYPE OF WOODLAND.				ABERDEEN.		ARGYLL AND BUTE.		AYR.	
				Area.	Percentage of Total Wood-land Area.	Area.	Percentage of Total Wood-land Area.	Area.	Percentage of Total Wood-land Area.
	HIGH FOREST :—			Acres.		Acres.		Acres.	
	Conifers—								
1	1-10 years			2,456	—	4,168	—	1,291	—
2	11-20 „			4,725	—	4,622	—	2,016	—
3	21-40 „			13,257	—	4,531	—	3,408	—
4	41-80 „			27,236	—	7,273	—	1,665	—
5	Over 80 „			13,380	—	1,839	—	121	—
	Total			61,054	—	22,433	—	8,501	—
	Hardwoods—								
6	1-10 years			2	—	6	—	2	—
7	11-20 „			9	—	—	—	9	—
8	21-40 „			275	—	467	—	115	—
9	41-80 „			1,004	—	740	—	1,691	—
10	Over 80 „			237	—	442	—	1,453	—
	Total			1,527	—	1,655	—	3,270	—
	Mixed conifers and hard-woods—								
11	1-10 years			2	—	—	—	37	—
12	11-20 „			9	—	48	—	81	—
13	21-40 „			216	—	502	—	496	—
14	41-80 „			1,516	—	1,869	—	1,140	—
15	Over 80 „			643	—	992	—	617	—
	Total			2,386	—	3,411	—	2,371	—
	Total High Forest—								
16	1-10 years			2,460	—	4,174	—	1,330	—
17	11-20 „			4,743	—	4,670	—	2,106	—
18	21-40 „			13,748	—	5,500	—	4,019	—
19	41-80 „			29,756	—	9,882	—	4,496	—
20	Over 80 „			14,260	—	3,273	—	2,191	—
	High Forest—Grand Total			64,967	50·9	27,499	30·5	14,142	45·7
21	COPPICE	}	—	—	—	120	0·1	—	—
22	COPPICE-WITH-STANDARDS			—	—	—	—	—	—
23	SCRUB			13,592	10·7	52,859	58·7	2,414	7·8
24	FELLED OR DEVASTATED ..			40,493	31·8	5,934	6·6	7,090	22·9
25	UNECONOMIC			8,458	6·6	3,708	4·1	7,308	23·6
	TOTAL			127,510	100	90,120	100	30,954	100
26	Total woodland area as shown in returns of 1914..			104,035	—	48,631	—	27,182	—
27	Total land area of County..			1,261,521	—	2,130,130	—	724,251	—
28	Woodland area (1924) as percentage of total land area			—	10·1	—	4·2	—	4·3

IN EACH COUNTY OF SCOTLAND.

BANFF.		BERWICK.		CAITHNESS.		CLACKMANNAN.	
Area.	Percentage of Total Wood-land Area.	Area.	Percentage of Total Wood-land Area.	Area.	Percentage of Total Wood-land Area.	Area.	Percentage of Total Wood-land Area.
Acres.		Acres.		Acres.		Acres.	
1 745	—	459	—	—	—	49	—
2 1,068	—	761	—	37	—	254	—
3 2,351	—	1,176	—	39	—	352	—
4 8,573	—	2,389	—	253	—	413	—
5 2,627	—	598	—	15	—	311	—
15,364	—	5,383	—	344	—	1,379	—
6 —	—	15	—	6	—	—	—
7 —	—	—	—	—	—	—	—
8 33	—	5	—	—	—	20	—
9 35	—	519	—	—	—	117	—
10 8	—	1,379	—	3	—	278	—
76	—	1,918	—	9	—	415	—
11 —	—	—	—	—	—	—	—
12 31	—	5	—	—	—	—	—
13 —	—	84	—	5	—	34	—
14 122	—	385	—	8	—	92	—
15 178	—	761	—	2	—	—	—
331	—	1,235	—	15	—	126	—
16 745	—	474	—	6	—	49	—
17 1,099	—	766	—	37	—	254	—
18 2,384	—	1,265	—	44	—	406	—
19 8,730	—	3,293	—	261	—	622	—
20 2,813	—	2,738	—	20	—	589	—
15,771	58.3	8,536	50.8	368	19.6	1,920	55.8
21 } —	—	—	—	—	—	—	—
22 } —	—	—	—	—	—	—	—
23 3,234	12.0	1,085	6.5	975	51.8	43	1.2
24 5,556	20.5	2,617	15.6	13	0.7	1,270	36.9
25 2,484	9.2	4,552	27.1	524	27.9	211	6.1
27,045	100	16,790	100	1,880	100	3,444	100
26 27,729	—	15,074	—	858	—	3,418	—
27 403,053	—	292,535	—	438,833	—	34,927	—
28 —	6.7	—	5.7	—	0.4	—	9.9

APPENDIX 3 (c).—ACREAGE UNDER WOODLANDS

TYPE OF WOODLAND.				DUMBARTON.		DUMFRIES.		ELGIN.	
				Area.	Percentage of Total Wood-land Area.	Area.	Percentage of Total Wood-land Area.	Area.	Percentage of Total Wood-land Area.
	HIGH FOREST :—			Acres.		Acres.		Acres.	
	Conifers—								
1	1-10 years			83	—	2,071	—	4,140	—
2	11-20 „			337	—	1,927	—	2,947	—
3	21-40 „			880	—	3,603	—	3,931	—
4	41-80 „			681	—	4,921	—	15,336	—
5	Over 80 „			176	—	256	—	2,720	—
	Total			2,157	—	12,778	—	29,074	—
	Hardwoods—								
6	1-10 years			1	—	33	—	—	—
7	11-20 „			1	—	20	—	—	—
8	21-40 „			131	—	233	—	11	—
9	41-80 „			1,506	—	2,229	—	180	—
10	Over 80 „			1,147	—	3,656	—	2,464	—
	Total			2,786	—	6,171	—	2,655	—
	Mixed conifers and hard-woods—								
11	1-10 years			4	—	16	—	—	—
12	11-20 „			6	—	55	—	—	—
13	21-40 „			68	—	502	—	45	—
14	41-80 „			467	—	1,415	—	296	—
15	Over 80 „			560	—	236	—	1,076	—
	Total			1,105	—	2,224	—	1,417	—
	Total High Forest—								
16	1-10 years			88	—	2,120	—	4,140	—
17	11-20 „			344	—	2,002	—	2,947	—
18	21-40 „			1,079	—	4,338	—	3,987	—
19	41-80 „			2,654	—	8,565	—	15,812	—
20	Over 80 „			1,883	—	4,148	—	6,260	—
	High Forest—Grand Total			6,048	39.0	21,173	66.9	33,146	66.6
21	COPPICE	}		—	—	30	0.1	—	—
22	COPPICE-WITH-STANDARDS			—	—	—	—	—	—
23	SCRUB			5,536	35.8	2,367	7.5	3,134	6.3
24	FELLED OR DEVASTATED ..			1,490	9.6	5,432	17.2	12,628	25.3
25	UNECONOMIC			2,420	15.6	2,617	8.3	890	1.8
	TOTAL			15,494	100	31,619	100	49,798	100
26	Total woodland area as shown in returns of 1914..			8,044	—	30,814	—	48,318	—
27	Total land area of County..			156,927	—	686,302	—	304,931	—
28	Woodland area (1924) as percentage of total land area			—	9.9	—	4.6	—	16.3

IN EACH COUNTY OF SCOTLAND—*continued.*

FIFE.		FORFAR.		HADDINGTON.		INVERNESS.	
Area.	Percentage of Total Wood-land Area.	Area.	Percentage of Total Wood-land Area.	Area.	Percentage of Total Wood-land Area.	Area.	Percentage of Total Wood-land Area.
Acres.		Acres.		Acres.		Acres.	
1 1,170	—	1,354	—	445	—	4,922	—
2 1,910	—	4,723	—	543	—	2,822	—
3 2,261	—	7,066	—	475	—	12,583	—
4 2,200	—	6,646	—	437	—	43,520	—
5 113	—	411	—	552	—	20,911	—
7,654	—	20,200	—	2,452	—	84,758	—
6 10	—	4	—	20	—	—	—
7 54	—	10	—	—	—	5	—
8 70	—	183	—	4	—	3	—
9 587	—	1,832	—	106	—	1,631	—
10 3,270	—	1,441	—	403	—	334	—
3,991	—	3,470	—	533	—	1,974	—
11 5	—	6	—	79	—	—	—
12 16	—	18	—	—	—	31	—
13 330	—	607	—	54	—	99	—
14 2,508	—	2,018	—	528	—	1,028	—
15 1,125	—	584	—	1,954	—	1,747	—
3,984	—	3,233	—	2,615	—	2,905	—
16 1,185	—	1,364	—	544	—	4,922	—
17 1,980	—	4,751	—	543	—	2,858	—
18 2,661	—	7,856	—	533	—	12,685	—
19 5,295	—	10,496	—	1,071	—	46,180	—
20 4,508	—	2,436	—	2,909	—	22,992	—
15,629	48·9	26,903	65·7	5,600	41·2	89,637	51·0
21 } 109	0·3	44	0·1	182	1·4	—	—
22 } 920	2·9	2,861	7·0	1,050	7·7	56,021	31·9
23 } 9,747	30·5	9,169	22·4	1,454	10·7	28,657	16·3
24 } 5,561	17·4	1,955	4·8	5,295	39·0	1,324	0·8
31,966	100	40,932	100	13,581	100	175,639	100
26 23,106	—	32,510	—	10,643	—	139,669	—
27 322,844	—	559,037	—	170,971	—	2,695,094	—
28 —	9·9	—	7·3	—	7·9	—	6·5

APPENDIX 3 (c).—ACREAGE UNDER WOODLANDS

TYPE OF WOODLAND.				KINCARDINE.		KINROSS.		KIRKCUDBRIGHT.	
				Area.	Percentage of Total Wood-land Area.	Area.	Percentage of Total Wood-land Area.	Area.	Percentage of Total Wood-land Area.
	HIGH FOREST :—			Acres.		Acres.		Acres.	
1	Conifers—								
2	1-10 years			1,101	—	—	—	969	—
3	11-20 „			1,917	—	160	—	801	—
4	21-40 „			4,196	—	58	—	1,713	—
5	41-80 „			8,286	—	66	—	2,648	—
	Over 80 „			577	—	—	—	81	—
	Total			16,077	—	284	—	6,212	—
6	Hardwoods—								
7	1-10 years			—	—	—	—	—	—
8	11-20 „			5	—	—	—	47	—
9	21-40 „			6	—	—	—	381	—
10	41-80 „			189	—	—	—	2,727	—
	Over 80 „			7	—	11	—	1,525	—
	Total			207	—	11	—	4,680	—
	Mixed conifers and hard-woods—								
11	1-10 years			11	—	—	—	18	—
12	11-20 „			21	—	—	—	23	—
13	21-40 „			224	—	—	—	138	—
14	41-80 „			657	—	182	—	790	—
15	Over 80 „			611	—	—	—	275	—
	Total			1,524	—	182	—	1,244	—
	Total High Forest—								
16	1-10 years			1,112	—	—	—	987	—
17	11-20 „			1,943	—	160	—	871	—
18	21-40 „			4,426	—	58	—	2,232	—
19	41-80 „			9,132	—	248	—	6,165	—
20	Over 80 „			1,195	—	11	—	1,881	—
	High Forest—Grand Total			17,808	58.0	477	11.3	12,136	49.4
21	COPPICE			—	—	—	—	1,310	5.4
22	COPPICE-WITH-STANDARDS			—	—	—	—	—	—
23	SCRUB			1,944	6.3	593	14.1	3,585	14.6
24	FELLED OR DEVASTATED ..			7,684	25.0	1,466	34.9	4,153	16.9
25	UNECONOMIC			3,292	10.7	1,672	39.7	3,367	13.7
	TOTAL			30,728	100	4,208	100	24,551	100
26	Total woodland area as shown in returns of 1914..			25,275	—	2,790	—	21,687	—
27	Total land area of County..			244,482	—	52,410	—	575,832	—
28	Woodland area (1924) as percentage of total land area			—	12.6	—	8.0	—	4.3

IN EACH COUNTY OF SCOTLAND—*continued.*

LANARK.		LINLITHGOW.		MIDLOTHIAN.		NAIRN.	
Area.	Percentage of Total Wood-land Area.	Area.	Percentage of Total Wood-land Area.	Area.	Percentage of Total Wood-land Area.	Area.	Percentage of Total Wood-land Area.
Acres.		Acres.		Acres.		Acres.	
1 601	—	122	—	196	—	219	—
2 1,873	—	214	—	236	—	656	—
3 4,157	—	318	—	259	—	954	—
4 3,590	—	114	—	1,221	—	7,246	—
5 165	—	—	—	230	—	375	—
10,386	—	768	—	2,192	—	9,450	—
6 —	—	—	—	—	—	—	—
7 12	—	—	—	23	—	—	—
8 99	—	6	—	—	—	—	—
9 2,401	—	92	—	189	—	—	—
10 2,266	—	984	—	2,198	—	99	—
4,778	—	1,082	—	2,410	—	99	—
11 3	—	30	—	14	—	16	—
12 13	—	—	—	52	—	—	—
13 347	—	28	—	14	—	—	—
14 1,420	—	31	—	202	—	298	—
15 576	—	16	—	672	—	1,143	—
2,359	—	105	—	954	—	1,457	—
16 604	—	152	—	210	—	235	—
17 1,898	—	214	—	361	—	656	—
18 4,603	—	352	—	273	—	954	—
19 7,411	—	237	—	1,612	—	7,544	—
20 3,007	—	1,000	—	3,100	—	1,617	—
17,523	57·7	1,955	43·8	5,556	37·7	11,006	62·3
21 } 64	0·2	—	—	—	—	—	—
22 } 2,207	7·3	379	8·5	569	3·9	2,359	13·3
23 } 6,374	21·0	1,070	24·0	1,788	12·1	4,067	23·0
24 } 4,193	13·8	1,056	23·7	6,823	46·3	252	1·4
30,361	100	4,460	100	14,736	100	17,684	100
26 20,727	—	5,629	—	12,228	—	12,566	—
27 564,567	—	76,861	—	234,325	—	104,252	—
28 —	5·4	—	5·8	—	6·3	—	17·0

APPENDIX 3 (c).—ACREAGE UNDER WOODLANDS IN

TYPE OF WOODLAND.				PEEBLES.		PERTH.		RENFREW.	
				Area.	Percentage of Total Wood-land Area.	Area.	Percentage of Total Wood-land Area.	Area.	Percentage of Total Wood-land Area.
	HIGH FOREST :—			Acres.		Acres.		Acres.	
	Conifers—								
1	1-10 years	..	..	871	—	6,480	—	348	—
2	11-20	..	..	1,256	—	6,176	—	486	—
3	21-40	..	..	1,211	—	9,078	—	1,213	—
4	41-80	..	..	2,624	—	12,323	—	590	—
5	Over 80	..	..	66	—	5,164	—	6	—
	Total	..	..	6,028	—	39,221	—	2,643	—
	Hardwoods—								
6	1-10 years	..	..	—	—	29	—	7	—
7	11-20	..	..	—	—	24	—	6	—
8	21-40	..	..	3	—	720	—	110	—
9	41-80	..	..	239	—	2,639	—	517	—
10	Over 80	..	..	56	—	4,271	—	526	—
	Total	..	..	298	—	7,683	—	1,166	—
	Mixed conifers and hard-woods—								
11	1-10 years	..	..	—	—	82	—	18	—
12	11-20	..	..	—	—	236	—	20	—
13	21-40	..	..	14	—	1,805	—	108	—
14	41-80	..	..	1,043	—	4,855	—	267	—
15	Over 80	..	..	49	—	5,393	—	74	—
	Total	..	..	1,106	—	12,371	—	487	—
	Total High Forest—								
16	1-10 years	..	..	871	—	6,591	—	373	—
17	11-20	..	..	1,256	—	6,436	—	512	—
18	21-40	..	..	1,228	—	11,603	—	1,431	—
19	41-80	..	..	3,906	—	19,817	—	1,374	—
20	Over 80	..	..	171	—	14,828	—	606	—
	High Forest—Grand Total			7,432	61·8	59,275	50·7	4,296	45·0
21	COPPICE	..	..	} —	—	2,841	2·4	—	—
22	COPPICE-WITH-STANDARDS	..	..			—	—	—	—
23	SCRUB	..	..			22,506	19·3	860	9·0
24	FELLED OR DEVASTATED	..	..	2,577	21·4	27,615	23·6	1,669	17·5
25	UNECONOMIC	..	..	1,946	16·2	4,607	4·0	2,715	28·5
	Total	..	..	12,030	100	116,844	100	9,540	100
26	Total woodland area as shown in returns of 1914..			11,333	—	90,151	—	6,922	—
27	Total land area of County..			222,240	—	1,595,802	—	151,626	—
28	Woodland area (1924) as percentage of total land area			—	5·4	—	7·3	—	6·3

EACH COUNTY OF SCOTLAND—*continued.*

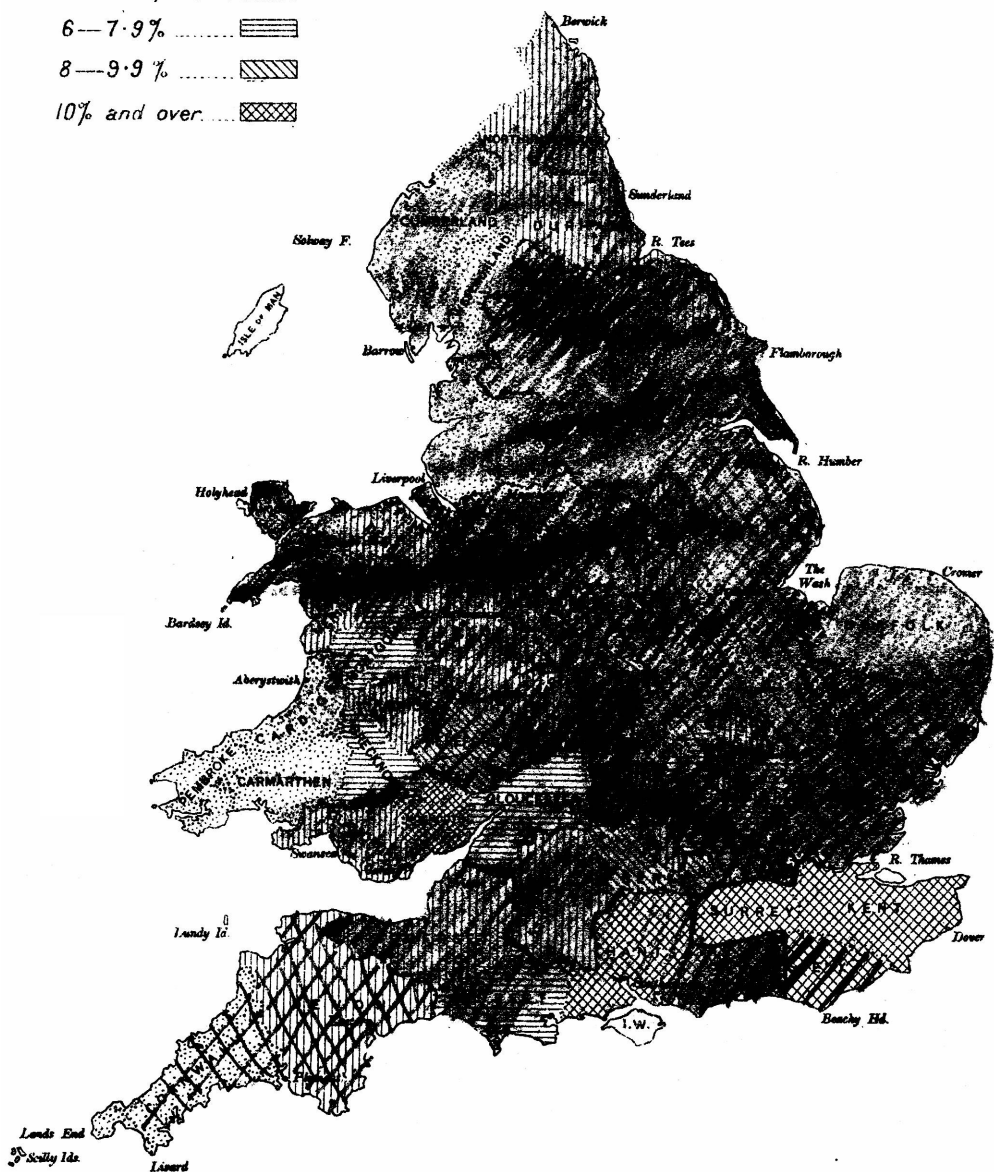
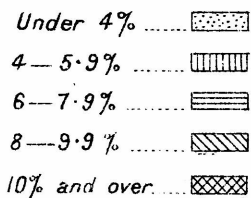
ROSS AND CROMARTY.			ROXBURGH.		SELKIRK.		STIRLING.		
Area.		Percentage of Total Wood-land Area.	Area.		Area.		Area.		
Acres.			Acres.		Acres.		Acres.		
1	1,881	—	706	—	276	—	519	—	
2	2,831	—	1,152	—	390	—	744	—	
3	9,933	—	1,346	—	436	—	590	—	
4	18,980	—	3,139	—	259	—	967	—	
5	4,423	—	766	—	274	—	164	—	
38,048		—	7,109	—	1,635	—	2,984	—	
6	—	—	—	—	12	—	11	—	
7	1	—	6	—	16	—	—	—	
8	11	—	—	—	11	—	195	—	
9	666	—	1,231	—	81	—	449	—	
10	834	—	1,098	—	588	—	670	—	
1,512		—	2,335	—	708	—	1,325	—	
11	10	—	7	—	10	—	—	—	
12	119	—	7	—	8	—	—	—	
13	225	—	98	—	52	—	117	—	
14	1,250	—	1,330	—	237	—	214	—	
15	824	—	385	—	1,271	—	1,108	—	
2,428		—	1,827	—	1,578	—	1,439	—	
16	1,891	—	713	—	298	—	530	—	
17	2,951	—	1,165	—	414	—	744	—	
18	10,169	—	1,444	—	499	—	902	—	
19	20,896	—	5,700	—	577	—	1,630	—	
20	6,081	—	2,249	—	2,133	—	1,942	—	
41,988		55·6	11,271	60·1	3,921	63·1	5,748	35·7	
21	}	—	3	0·0	109	1·8	3,201	19·9	
22		—	599	3·2	349	5·6	2,015	12·5	
23		15,589	20·6	3,140	16·8	742	12·0	3,149	19·6
24		17,243	22·8	3,737	19·9	1,088	17·5	1,974	12·3
25		765	1·0	—	—	—	—	—	—
75,585		100	18,750	100	6,209	100	16,087	100	
26	58,781	—	16,655	—	5,410	—	13,593	—	
27	1,977,248	—	426,028	—	170,793	—	288,842	—	
28	—	3·8	—	4·4	—	3·6	—	5·6	

APPENDIX 3 (c).—ACREAGE UNDER WOODLANDS IN EACH COUNTY OF SCOTLAND—continued.

TYPE OF WOODLAND.		SUTHERLAND.		WIGTOWN.		TOTAL, SCOTLAND.	
		Area.	Percentage of Total Wood- land Area.	Area.	Percentage of Total Wood- land Area.	Area.	Percentage of Total Wood- land Area.
		Acres.		Acres.		Acres.	
	HIGH FOREST:—						
	Conifers—						
1	1-10 years	448	—	319	—	38,409	—
2	11-20 "	647	—	679	—	48,960	—
3	21-40 "	1,303	—	788	—	93,466	—
4	41-80 "	6,858	—	623	—	191,077	—
5	Over 80 "	1,409	—	28	—	57,758	—
	Total	10,665	—	2,437	—	429,670	—
	Hardwoods—						
6	1-10 years	—	—	11	—	169	—
7	11-20 "	—	—	4	—	252	—
8	21-40 "	55	—	9	—	3,156	—
9	41-80 "	20	—	1,163	—	24,781	—
10	Over 80 "	7	—	928	—	32,583	—
	Total	82	—	2,115	—	60,941	—
	Mixed conifers and hard- woods—						
11	1-10 years	26	—	23	—	417	—
12	11-20 "	—	—	62	—	861	—
13	21-40 "	—	—	275	—	6,487	—
14	41-80 "	450	—	1,320	—	27,938	—
15	Over 80 "	295	—	329	—	23,496	—
	Total	771	—	2,009	—	59,199	—
	Total High Forest—						
16	1-10 years	474	—	353	—	38,995	—
17	11-20 "	647	—	745	—	50,073	—
18	21-40 "	1,358	—	1,072	—	103,109	—
19	41-80 "	7,328	—	3,106	—	243,796	—
20	Over 80 "	1,711	—	1,285	—	113,837	—
	High Forest—Grand Total	11,518	45.5	6,561	63.6	549,810	51.2
21	CORPICE	—	—	107	1.0	8,120	0.7
22	CORPICE WITH STANDARDS	—	—	—	—	—	—
23	SCRUB	7,762	30.6	877	8.5	208,359	19.4
24	FELLED OR DEVASTATED	5,935	23.4	960	9.3	221,182	20.6
25	UNECONOMIC	133	0.5	1,826	17.6	86,753	8.1
	TOTAL	25,348	100	10,331	100	1,074,224	100
26	Total woodland area as shown in returns of 1914 ..	18,647	—	9,675	—	852,120	—
27	Total land area of County ..	1,297,914	—	311,984	—	19,069,728	—
28	Woodland area (1924) as percentage of total land area	—	2.0	—	3.3	—	5.6

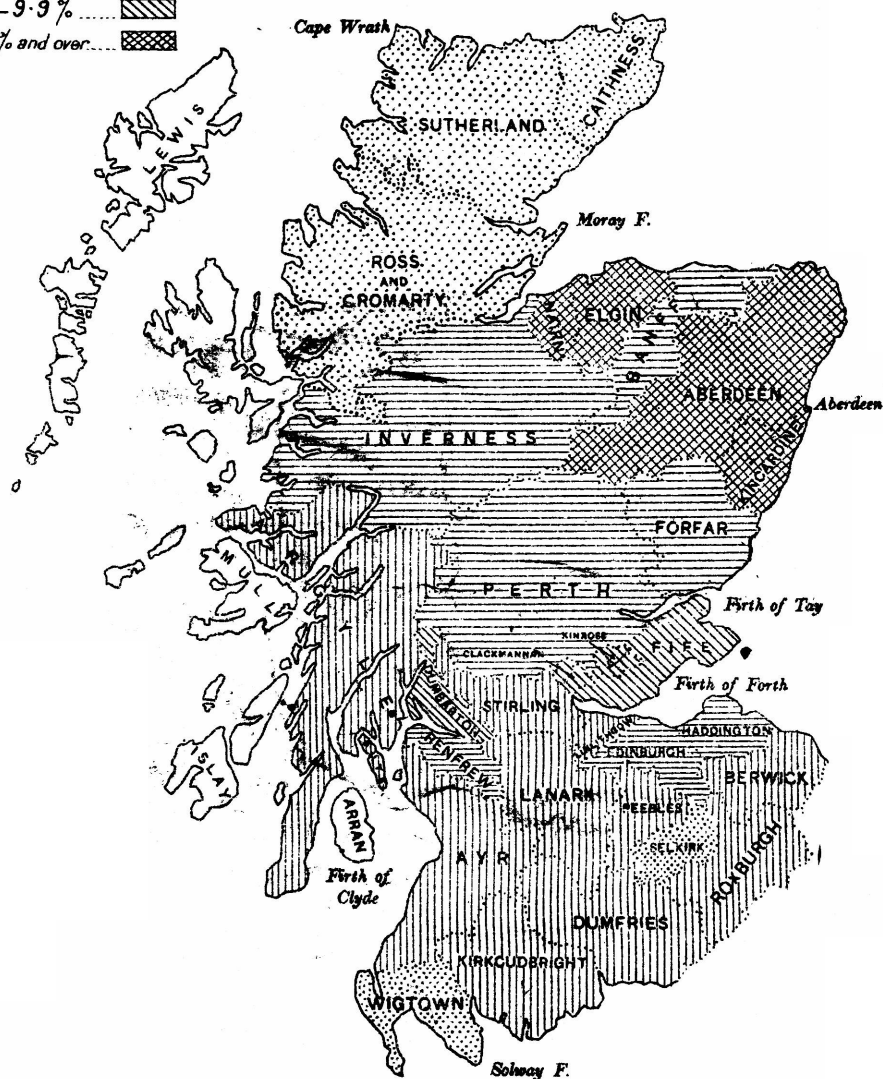
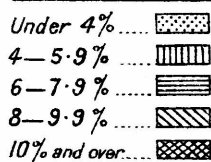
ENGLAND & WALES.

PERCENTAGE OF WOODLANDS IN EACH COUNTY.



SCOTLAND.

PERCENTAGE OF
WOODLANDS IN EACH COUNTY.



ENGLAND & WALES.

PERCENTAGE OF FELLED WOODS IN EACH COUNTY.

Under 10%.....

10—19%.....

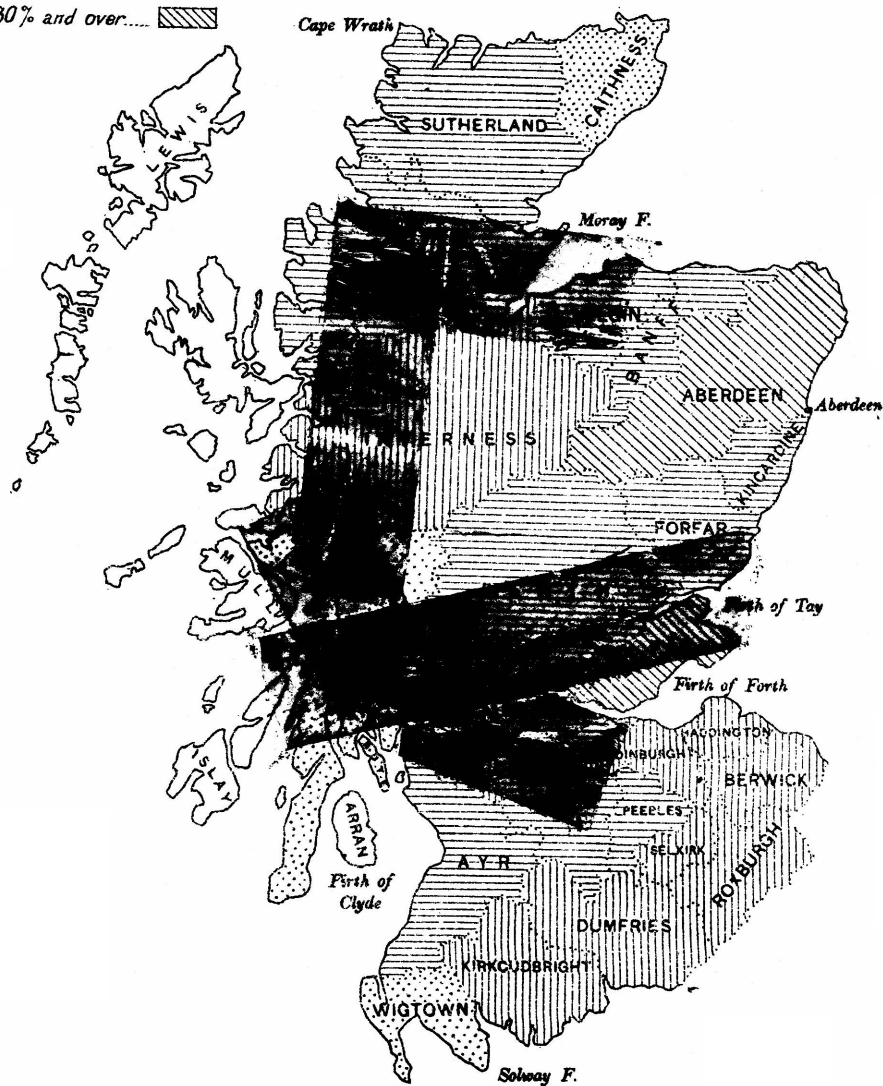
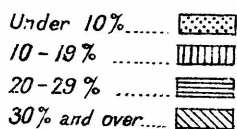
20—29%.....

30% and over.....



SCOTLAND.

PERCENTAGE OF
FELLED WOODS IN EACH COUNTY.



PART II.

CENSUS OF HOME-GROWN TIMBER PRODUCTION.

This census was undertaken by the Forestry Commissioners at the request of the Board of Trade as part of the general Census of Production for Great Britain for the year 1924. Previous censuses were conducted in 1908* and 1913 by the Board of Agriculture, but owing to the outbreak of war the latter census was not completed. In both cases schedules were issued by the Board to all occupiers of woodlands, who were requested to state the number, quantity in cubic feet and value of trees felled or sold standing during the twelve months. This procedure was found to be unsatisfactory as a large proportion of the forms were either not returned or were incompletely filled up.

Method of Collecting Data.

It was felt that better results might be obtained if a relatively small number of completed schedules were obtained and at the same time the production were related more closely to the actual types of woodland in each case. It was decided, accordingly, to proceed on a sample basis and to issue schedules only to selected woodland owners. The method of applying the samples to the woodlands of the country as a whole is described below.

In accordance with the Commissioners' undertaking that any information supplied would be regarded as strictly confidential, the names of estates from which returns were obtained are not inserted in this report. The Commissioners desire, however, to place on record their thanks for the assistance rendered by owners and others.

The schedule, which is reproduced in the Appendix, is in four sections, namely :—

SECTION 1.—*Distribution of Total Woodland Area*.—Stating the area of each type of woodland on the estate.

SECTION 2.—*Production of Timber, 1923-24*.—Stating the cubic contents and value of trees felled for sale or for home use, or sold for felling, during the twelve months ending 30th September, 1924, and classified in—

Part A.—By types of woodland corresponding with the areas given in Section 1 ;

and in

Part B.—By classes of material, separately for each species.

SECTION 3.—*Miscellaneous Produce*, including bark and charcoal.

SECTION 4.—*The Number of Persons Employed in Forestry Operations*.

* *The Agricultural Output of Great Britain*. Report by the Board of Agriculture and Fisheries, 1912.

As far as possible the estates selected as samples represented average conditions of management. Returns were received from every county. The completed schedules were examined for possible discrepancies and, where necessary, doubtful points were taken up with the estates concerned. A number of the returns had to be rejected as the questions did not appear to have been understood. The returns on which the statistics are based amounted to 262, distributed as follows :—

	No. of Returns.	Percentage of total Woodland Area sampled.
England	149	11·5
Wales	44	12·2
Scotland	69	10·8
Great Britain	262	11·3

Production of Timber.

A.—PRODUCTION BY TYPES OF WOODLAND.

The data accepted for the purpose of estimating the total production are summarised in Table I (pp. 50 and 51).

In order to obtain the total production for Great Britain each type of woodland was considered separately for England, Wales, and Scotland respectively, the procedure being to raise the production as disclosed by the sample areas in the proportion *total area of the type in the country* *total area of the type in the samples*. The production from the Crown Woods was excluded from these calculations and added subsequently. Thus the area of conifers 0-20 years in the sample areas in England was 14,460 acres and the production 46,547 cu. ft. (Table I). The total area of conifers of this age-class in England as disclosed by the census of woodlands was 83,805 acres from which fall to be deducted 4,719 acres in respect of Crown Woods. The production for England, apart from Crown Woods, was therefore taken at

$$46,547 \times \frac{79,086}{14,460} = 254,569 \text{ cu. ft.}$$

to which has to be added 84,986 cu. ft. in respect of the Crown Woods, giving a total of 339,555 cu. ft. Values were estimated by the same method. The detailed results are given in Table II (pp. 52 and 53). The production of hedgerow timber was estimated by raising the quantities returned by the sample estates proportionately to the land area (exclusive of woodland).

The total amount of timber felled or sold for felling was 55,985,000 cu. ft., valued at £2,036,000, and distributed as follows:—

		Quantity. cu. ft.	Value. £
England	... ..	30,058,000	1,330,000
Wales	... ..	3,799,000	144,000
Scotland	... ..	22,128,000	562,000
Great Britain	... ..	55,985,000	2,036,000

These figures include both material sold and material used on the estate. They also include, besides saw-timber, all classes of wood such as pitwood, firewood, &c.

The coniferous woods produced in all 24,501,000 cu. ft. (£702,300), of which England provided 5,141,000 cu. ft. (£212,860), Wales 765,000 cu. ft. (£33,760) and Scotland 18,594,000 cu. ft. (£455,670); the hardwoods produced 12,755,000 cu. ft. (£621,800), of which England provided 10,009,000 cu. ft. (£509,100), Wales 1,659,000 cu. ft. (£67,700) and Scotland 1,088,000 cu. ft. (£45,000); the mixed woods produced 6,065,000 cu. ft. (£273,500), of which England provided 4,152,000 cu. ft. (£215,900), Wales 850,000 cu. ft. (£24,400) and Scotland 1,063,000 cu. ft. (£33,200). Among the miscellaneous types of woodland the most noticeable figures are 6,767,000 cu. ft. (£241,400) from coppice-with-standards and 1,563,000 cu. ft. (£73,300) of hedgerow timber in England.

The total production, exclusive of hedgerow timber, is equivalent to 18 cu. ft. or 13s. per acre, calculated on a total woodland area of 2,958,672 acres, but it should be borne in mind that a large part of that area is unproductive. The production from high forest averaged 31 cu. ft. (23s.) per acre and that from coppice and coppice-with-standards 16 cu. ft. (11s.) per acre.

B.—PRODUCTION BY CLASSES OF MATERIAL.

In order to obtain the classes of material comprising the total production of 55,985,000 cu. ft., it was assumed that the production for England, Wales and Scotland respectively was made up of the classes of material in the same proportion as were the samples of those countries. Thus the total production in England (apart from Crown woods and hedgerow timber—calculated separately) was 27,765,105 cu. ft. and the production of the sample areas 3,390,457 cu. ft. containing *inter alia* 102,482 cu. ft. of spruce saw-timber. The production of spruce saw-timber in England was then estimated as $102,482 \times \frac{27,765,105}{3,390,457} = 839,244$ cu. ft. plus the production from Crown woods and hedgerow timber (2,107 cu. ft.), giving a total of 841,351 cu. ft. Details of the production by classes of material are given in Table III.

TABLE I.—PRODUCTION

	TYPE OF WOODLAND.	ENGLAND.			WALES.		
		Area.	Production.		Area.	Production.	
			Volume.	Value.		Volume.	Value.
	HIGH FOREST :—	Acres.	Cu. ft.	£	Acres.	Cu. ft.	£
	Conifers—						
1	0–20 years	14,460	46,547	1,553	3,686	15,716	375
2	21–40 „	8,026	102,009	3,767	2,319	32,316	1,422
3	41–80 „	7,926	475,720	17,956	2,200	138,079	7,525
4	Over 80 „	2,183	241,974	13,140	188	19,878	757
	Total	32,595	866,250	36,416	8,393	205,989	10,079
	Hardwoods—						
5	0–20 years	1,480	300	14	36	—	—
6	21–40 „	2,400	9,387	351	297	2,867	69
7	41–80 „	12,282	311,121	15,624	2,699	139,241	5,330
8	Over 80 „	25,181	1,042,671	55,344	3,419	90,206	5,282
	Total	41,343	1,363,479	71,333	6,451	232,314	10,681
	Mixed conifers and hardwoods						
9	0–20 years	5,596	9,391	340	184	—	—
10	21–40 „	4,912	34,070	1,564	652	5,125	119
11	41–80 „	6,160	115,860	6,084	1,962	94,184	1,508
12	Over 80 „	7,726	293,841	15,805	1,605	120,139	5,889
	Total	24,394	453,162	23,793	4,403	219,448	7,516
	Total High Forest ..	98,332	2,682,891	131,542	19,247	657,751	28,276
13	COPPICE (UNDERWOOD) ..	3,576	61,918	1,239	190	960	20
14	COPPICE (UNDERWOOD)- WITH-STANDARDS ..	33,026	547,365	19,548	1,598	24,778	975
15	SCRUB	3,983	5,831	146	1,078	486	11
16	FELLED OR DEVASTATED	11,745	220	2	3,463	—	—
17	AMENITY WOODS, PARKS, ETC.	10,555	92,232	4,529	1,345	2,737	165
18	HEDGEROW TIMBER ..	—	78,544	3,683	—	11,859	361
	TOTAL	161,217	3,469,001	160,689	26,921	698,571	29,808

* This table does not include

FROM SAMPLE ESTATES.*

	SCOTLAND.			GREAT BRITAIN.		
	Area.	Production.		Area.	Production.	
		Volume.	Value.		Volume.	Value.
	Acres.	Cu. ft.	£	Acres.	Cu. ft.	£
1	20,036	40,342	827	38,182	102,605	2,755
2	9,347	138,857	3,330	19,692	273,182	8,519
3	28,460	2,103,881	48,391	38,586	2,717,680	73,872
4	8,234	414,087	13,382	10,605	675,939	27,279
	66,077	2,697,167	65,930	107,065	3,769,406	112,425
5	213	159	4	1,729	459	18
6	171	270	13	2,868	12,524	433
7	2,487	57,714	2,509	17,468	508,076	23,463
8	9,540	148,520	5,782	38,140	1,281,397	66,408
	12,411	206,663	8,308	60,205	1,802,456	90,322
9	239	—	—	6,019	9,391	340
10	553	2,738	68	6,117	41,933	1,751
11	2,281	60,589	1,583	10,403	270,633	9,175
12	5,087	62,470	2,807	14,418	476,450	24,501
	8,160	125,797	4,458	36,957	798,407	35,767
	86,648	3,029,627	78,696	204,227	6,370,269	238,514
13	1,381	1,520	46	5,147	64,398	1,305
14	1,018	18,075	162	35,642	590,218	20,685
15	6,264	23,170	358	11,325	29,487	515
16	15,741	528	17	30,949	748	19
17	5,365	31,574	949	17,265	126,543	5,643
18	—	2,375	47	—	92,778	4,091
	116,417	3,106,869	80,275	304,555	7,274,441	270,772

returns from Crown Woods,

TABLE II.—TOTAL PRODUCTION (VOLUME

	TYPE OF WOODLAND.	ENGLAND.			WALES.		
		Area.	Production.		Area.	Production.	
			Volume.	Value.		Volume.	Value.
	HIGH FOREST :—	Acres.	Cu. ft.	£	Acres.	Cu. ft.	£
	Conifers—						
1	0-20 years ..	83,805	339,555	11,994	31,873	130,196	3,117
2	21-40 „ ..	52,139	686,648	25,141	8,337	119,125	5,176
3	41-80 „ ..	48,139	2,883,168	108,835	5,308	365,497	19,744
4	Over 80 „ ..	11,148	1,231,853	66,894	1,422	150,354	5,726
	Total ..	195,231	5,141,224	212,864	46,940	765,172	33,763
	Hardwoods—						
5	0-20 years ..	13,023	26,582	891	1,979	—	—
6	21-40 „ ..	29,680	153,700	5,472	6,326	216,261	4,594
7	41-80 „ ..	137,966	3,520,156	175,041	17,794	972,404	35,533
8	Over 80 „ ..	157,787	6,308,386	327,744	17,858	470,369	27,542
	Total ..	338,456	10,008,824	509,148	43,957	1,659,034	67,669
	Mixed conifers and hardwoods—						
9	0-20 years ..	23,143	38,878	1,406	2,253	—	—
10	21-40 „ ..	51,547	357,421	16,406	5,399	42,438	985
11	41-80 „ ..	96,264	1,839,432	96,102	10,205	489,882	7,844
12	Over 80 „ ..	49,436	1,916,474	101,983	4,249	318,050	15,590
	Total ..	220,390	4,152,205	215,897	22,106	850,370	24,419
	Total High Forest	754,077	19,302,253	937,909	113,003	3,274,576	125,851
13	COPPICE	77,313	1,338,370	26,781	16,452	83,126	1,732
14	COPPICE-WITH-STAND- ARDS	407,916	6,766,699	241,443	18,879	292,605	11,421
15	SCRUB	87,410	127,907	3,203	34,934	15,749	356
16	FELLED OR DEVAS- TATED	194,742	3,645	33	62,182	—	—
17	UNECONOMIC	109,529	956,801	46,983	8,011	16,251	980
18	HEDGEROW TIMBER	—	1,562,507	73,267	—	117,151	3,568
	TOTAL ..	1,630,987	30,058,182	1,329,619	253,461	3,799,458	143,908

AND VALUE) BY TYPES OF WOODLAND.

	SCOTLAND.			GREAT BRITAIN.		
	Area.	Production.		Area.	Production.	
		Volume.	Value.		Volume.	Value.
	Acres.	Cu. ft.	£	Acres.	Cu. ft.	£
1	87,369	175,915	3,606	203,047	645,666	18,717
2	93,466	1,388,510	33,299	153,942	2,194,283	63,616
3	191,077	14,125,200	324,891	244,524	17,373,865	453,470
4	57,758	2,904,640	93,869	70,328	4,286,847	166,489
	429,670	18,594,265	455,665	671,841	24,500,661	702,292
5	421	314	8	15,423	26,896	899
6	3,156	4,983	240	39,162	374,944	10,306
7	24,781	575,075	25,000	180,541	5,067,635	235,574
8	32,583	507,256	19,748	208,228	7,286,011	375,034
	60,941	1,087,628	44,996	443,354	12,755,486	621,813
9	1,278	—	—	26,674	38,878	1,406
10	6,487	32,118	798	63,433	431,977	18,189
11	27,938	742,102	19,389	134,407	3,071,416	123,335
12	23,496	288,538	12,965	77,181	2,523,062	130,538
	59,199	1,062,758	33,152	301,695	6,065,333	273,468
	549,810	20,744,651	533,813	1,416,890	43,321,480	1,597,573
13	8,120	66,829	708	528,680	8,547,629	282,085
14	208,359	770,702	11,908	330,703	914,358	15,467
15						
16	221,182	7,419	239	478,106	11,064	272
17	86,753	510,557	15,345	204,293	1,483,609	63,308
18	—	27,623	550	—	1,707,281	77,385
	1,074,224	22,127,781	562,563	2,958,672	55,985,421	2,036,090

TABLE III (a).—PRODUCTION BY CLASSES

SPECIES.	TIMBER OF SAWMILL SIZE.		PITPROP MATERIAL.	
	Quantity.	Value.	Quantity.	Value.
	Cu. ft.	£	Cu. ft.	£
CONIFERS :—				
1 Pine (chiefly Scots pine) ..	13,860,248	342,766	2,116,737	34,283
2 Larch	5,538,476	298,803	1,498,973	53,791
3 Spruce	3,173,336	93,847	373,676	12,581
4 Other conifers	2,138,356	45,552	139,114	2,883
Total conifers	24,710,416	780,968	4,128,500	103,538
HARDWOODS :—				
5 Oak	7,446,656	553,142	524,584	12,440
6 Beech	2,500,912	104,279	40,600	1,004
7 Ash	1,419,495	129,967	30,133	1,211
8 Elm	1,654,389	71,234	28,763	250
9 Other hardwoods	1,578,963	64,372	122,581	3,224
Total hardwoods	14,600,415	922,994	746,661	18,129
GRAND TOTAL	39,310,831	1,703,962	4,875,161	121,667

TABLE III (b).—PRODUCTION BY CLASSES

SPECIES.	TIMBER OF SAWMILL SIZE.		PITPROP MATERIAL.	
	Quantity.	Value.	Quantity.	Value.
	Cu. ft.	£	Cu. ft.	£
CONIFERS :—				
1 Pine (chiefly Scots pine) ..	3,003,399	86,621	321,091	11,014
2 Larch	2,658,961	171,313	760,429	31,491
3 Spruce	841,351	28,932	125,696	6,043
4 Other conifers	141,128	5,445	110,792	2,134
Total conifers	6,644,839	292,311	1,318,008	50,682
HARDWOODS :—				
5 Oak	6,142,009	485,750	219,412	6,491
6 Beech	1,981,300	89,552	—	—
7 Ash	1,185,205	114,360	18,851	945
8 Elm	1,539,787	67,209	—	—
9 Other hardwoods	966,914	42,881	83,275	2,320
Total hardwoods	11,815,215	799,752	321,538	9,756
GRAND TOTAL	18,460,054	1,092,063	1,639,546	60,438

OF MATERIAL : GREAT BRITAIN.

FIREWOOD.			OTHER WOOD.		TOTAL.	
Quantity.		Value.	Quantity.		Quantity.	Value.
	Cu. ft.	£	Cu. ft.	£	Cu. ft.	£
1	665,776	9,406	92,301	3,206	16,735,062	389,661
2	270,112	2,935	598,801	20,056	7,906,362	375,585
3	74,003	944	52,714	1,837	3,673,729	109,209
4	237,198	4,867	61,265	2,846	2,575,933	56,148
	1,247,089	18,152	805,081	27,945	30,891,086	930,603
5	3,265,508	39,348	1,549,385	36,495	12,786,133	641,425
6	988,747	16,070	28,641	816	3,558,900	122,169
7	515,455	6,961	78,898	3,634	2,043,981	141,773
8	509,581	6,701	17,146	831	2,209,879	79,016
9	986,238	16,898	1,807,660	36,610	4,495,442	121,104
	6,265,529	85,978	3,481,730	78,386	25,094,335	1,105,487
	7,512,618	104,130	4,286,811	106,331	55,985,421	2,036,090

OF MATERIAL : ENGLAND.

FIREWOOD.			OTHER WOOD.		TOTAL.	
Quantity.		Value.	Quantity.		Quantity.	Value.
	Cu. ft.	£	Cu. ft.	£	Cu. ft.	£
1	357,042	4,082	75,896	2,739	3,757,428	104,456
2	256,764	2,568	414,869	13,187	4,091,023	218,559
3	72,196	907	46,400	1,682	1,085,643	37,564
4	122,983	3,387	55,466	2,676	430,369	13,642
	808,985	10,944	592,631	20,284	9,364,463	374,221
5	3,012,082	36,239	1,496,713	35,183	10,870,216	563,663
6	846,691	13,205	26,071	798	2,854,062	103,555
7	466,535	6,136	73,538	3,383	1,744,129	124,824
8	439,283	5,743	15,404	696	1,994,474	73,648
9	559,301	10,148	1,621,348	34,359	3,230,838	89,708
	5,323,892	71,471	3,233,074	74,419	20,693,719	955,398
	6,132,877	82,415	3,825,705	94,703	30,058,182	1,329,619

TABLE III (c).—PRODUCTION BY

SPECIES.		TIMBER OF SAWMILL SIZE.		PITPROP MATERIAL.	
		Quantity.	Value.	Quantity.	Value.
		Cu. ft.	£	Cu. ft.	£
1	CONIFERS :— Pine (chiefly Scots pine) ..	226,443	7,431	5,107	161
2	Larch	879,470	42,683	275,789	13,221
3	Spruce	226,546	9,128	63,440	2,462
4	Other conifers	6,067	446	2,303	83
	Total conifers.. ..	1,338,526	59,688	346,639	15,927
	HARDWOODS :—				
5	Oak	805,045	35,419	304,930	5,937
6	Beech	289,248	7,938	40,600	1,004
7	Ash	47,150	2,944	10,997	252
8	Elm	34,696	911	28,763	250
9	Other hardwoods	80,985	3,826	29,660	676
	Total hardwoods	1,257,124	51,038	414,950	8,119
	GRAND TOTAL	2,595,650	110,726	761,589	24,046

TABLE III (d).—PRODUCTION BY CLASSES

SPECIES.		TIMBER OF SAWMILL SIZE.		PITPROP MATERIAL.	
		Quantity.	Value.	Quantity.	Value.
		Cu. ft.	£	Cu. ft.	£
1	CONIFERS :— Pine (chiefly Scots pine) ..	10,630,406	248,714	1,790,539	23,108
2	Larch	2,000,045	84,807	462,755	9,079
3	Spruce	2,105,439	55,787	184,540	4,076
4	Other conifers	1,991,161	39,661	26,019	666
	Total conifers.. ..	16,727,051	428,969	2,463,853	36,929
	HARDWOODS :—				
5	Oak	499,602	31,973	242	12
6	Beech	230,364	6,789	—	—
7	Ash	187,140	12,663	285	14
8	Elm	79,906	3,114	—	—
9	Other hardwoods	531,064	17,665	9,646	228
	Total hardwoods	1,528,076	72,204	10,173	254
	GRAND TOTAL	18,255,127	501,173	2,474,026	37,183

CLASSES OF MATERIAL : WALES.

FIREWOOD.			OTHER WOOD.		TOTAL.	
Quantity.		Value.	Quantity.		Quantity.	Value.
	Cu. ft.	£	Cu. ft.	£	Cu. ft.	£
1	25,050	416	4,616	190	261,216	8,198
2	7,431	199	60,315	3,221	1,223,005	59,324
3	640	9	1,152	28	291,778	11,627
4	4,921	59	1,962	58	15,253	646
	38,042	683	68,045	3,497	1,791,252	79,795
5	168,493	1,741	48,827	1,217	1,327,295	44,314
6	36,099	476	2,570	18	368,517	9,436
7	17,817	279	1,942	146	77,906	3,621
8	15,832	283	1,742	135	81,033	1,579
9	33,434	270	9,376	391	153,455	5,163
	271,675	3,049	64,457	1,907	2,008,206	64,113
	309,717	3,732	132,502	5,404	3,799,458	143,908

OF MATERIAL : SCOTLAND.

FIREWOOD.			OTHER WOOD.		TOTAL.	
Quantity.		Value.	Quantity.		Quantity.	Value.
	Cu. ft.	£	Cu. ft.	£	Cu. ft.	£
1	283,684	4,908	11,789	277	12,716,418	277,007
2	5,917	168	123,617	3,648	2,592,334	97,702
3	1,167	28	5,162	127	2,296,308	60,018
4	109,294	1,421	3,837	112	2,130,311	41,860
	400,062	6,525	144,405	4,164	19,735,371	476,587
5	84,933	1,368	3,845	95	588,622	33,448
6	105,957	2,389	—	—	336,321	9,178
7	31,103	546	3,418	105	221,946	13,328
8	54,466	675	—	—	134,372	3,789
9	393,503	6,480	176,936	1,860	1,111,149	26,233
	669,962	11,458	184,199	2,060	2,392,410	85,976
	1,070,024	17,983	328,604	6,224	22,127,781	562,563

TABLE IV.—VALUE PER CUBIC

SPECIES.					ENGLAND.					WALES.				
					Timber of Sawmill Size.	Pitprop Material.	Firewood.	Other Wood.	Average.	Timber of Sawmill Size.	Pitprop Material.	Firewood.	Other Wood.	Average.
					d.	d.	d.	d.	d.	d.	d.	d.	d.	d.
1	CONIFERS :—													
	Pine (chiefly Scots pine) ..				7	8	2½	8½	6½	8	7½	4	10	7½
2	Larch				15½	10	2½	7½	13	11½	11½	6½	13	11½
3	Spruce				8½	11½	3	8½	8½	9½	9½	3½	6	9½
4	Other conifers				9½	4½	6½	11½	7½	17½	8½	3	7	10
	Conifers : Average ..				10½	9	3	8	9½	10½	11	4½	12½	10½
	HARDWOODS :—													
5	Oak				19	7	3	5½	12½	10½	4½	2½	6	8
6	Beech				11	—	3½	7½	8½	6½	6	3	1½	6
7	Ash				23	12	3	11	17	15	5½	4	18	11
8	Elm				10½	—	3	11	9	6½	2	4½	18½	4½
9	Other hardwoods				10½	6½	4½	5	6½	11½	5½	2	10	8
	Hardwoods : Average ..				16	7½	3	5½	11	9½	4½	2½	7	7½
	CONIFERS AND HARD- WOODS : AVERAGE ..				14	9	3	6	10½	10	7½	3	10	9

FOOT OF CLASSES OF MATERIAL.

SCOTLAND.						GREAT BRITAIN.				
	Timber of Sawmill Size.	Pitprop Material.	Firewood.	Other Wood.	Average.	Timber of Sawmill Size.	Pitprop Material.	Firewood.	Other Wood.	Average.
	<i>d.</i>	<i>d.</i>	<i>d.</i>	<i>d.</i>	<i>d.</i>	<i>d.</i>	<i>d.</i>	<i>d.</i>	<i>d.</i>	<i>d.</i>
1	5½	3	4	5½	5	6	4	3½	8½	5½
2	10	4½	7	7	9	13	8½	2½	8	11½
3	6½	5½	6	6	6½	7	8	3	8½	7
4	5	6	3	7	4½	5	5	5	11	5
	6	3½	4	7	6	7½	6	3½	8½	7
5	15½	12	4	6	13½	18	5½	3	5½	12
6	7	—	5½	—	6½	10	6	4	7	8
7	16	12	4	7½	14½	22	9½	3	11	16½
8	9½	—	3	—	7	10½	2	3	11½	8½
9	8	5½	4	2½	5½	10	6½	4	5	6½
	11½	6	4	2½	8½	15	6	3½	5½	10½
	6½	3½	4	4½	6	10½	6	3½	6	8½

It would appear that of the total volume of 55,985,000 cu. ft., 39,311,000 cu. ft. (70·2 per cent.), valued at £1,703,962, was timber of sawmill size; 4,875,000 cu. ft. (8·7 per cent.), valued at £121,667, was of pitprop size; 7,513,000 cu. ft. (13·4 per cent.), valued at £104,130, firewood and 4,287,000 cu. ft. (7·7 per cent.), valued at £106,331, was "other wood."

Of the saw-mill timber, 24,710,000 cu. ft. (£781,000) was soft-woods (pine 56·1 per cent., larch 22·4 per cent. by volume), and 14,600,000 cu. ft. (£923,000) hardwoods (oak 51·0 per cent. by volume). The pitprop material was predominantly softwoods and the firewood and "other wood" mostly hardwoods. Of the total production, Scotland produced 76·0 per cent. of the pine and 32·8 per cent. of the larch and England 85·0 per cent. of the oak.

Prices of Timber.

The average prices to the nearest halfpenny for the various species of timber and classes of material reckoned as standing in the forest, are stated in Table IV.

Among conifers, larch saw-timber at 1s. 1*d.* per cu. ft., and among hardwoods ash at 1s. 10*d.* per cu. ft., are the most outstanding prices. With a few exceptions, prices ruled higher in England than in Scotland and Wales.

Miscellaneous Produce.

The total production under this head is shown below and amounts to £14,000. The amount is surprisingly small and indicates the insignificant part which produce such as oak bark now plays in the economy of British woodlands.

Miscellaneous Produce: (Bark, Christmas Trees, Pea Sticks, etc.).

					£
England	...	...	...	...	13,273
Wales	...	...	...	...	207
Scotland	...	...	...	...	529
Great Britain	...	...	...	...	14,009

Number of Persons Employed in Forestry Operations.

The total number of persons permanently employed was 19,220. As regards temporary employees the maximum was 10,000 and the minimum 4,090. This suggests that the number employed fluctuate between about 23,000 and 29,000, according to the season of the year. Details are given in Table V.

TABLE V.—NUMBER OF PERSONS EMPLOYED IN FORESTRY OPERATIONS.

	ENGLAND.	WALES.	SCOTLAND.	GREAT BRITAIN.
<i>Permanent or principal occupation—</i>				
Men	10,560	1,630	5,840	18,030
Women	140	—	40	180
Juveniles (under 18 years of age)—				
Male	400	10	540	950
Female	50	—	10	60
TOTAL	11,150	1,640	6,430	19,220
<i>Temporary or occasional occupation—</i>				
Minimum during year—				
Men	1,880	540	1,410	3,830
Women	30	—	20	50
Juveniles (under 18 years of age)—				
Male	90	10	110	210
Female	—	—	—	—
TOTAL	2,000	550	1,540	4,090
Maximum during year—				
Men	4,850	1,110	3,280	9,240
Women	90	—	10	100
Juveniles (under 18 years of age)—				
Male	190	40	430	660
Female	—	—	—	—
TOTAL	5,130	1,150	3,720	10,000

Home Production Compared with Increment.

In order to arrive at an estimate of the current annual increment each type of woodland and age-class was considered separately and the following approximation was made :—

	Increment.		Production.	
	Million cu. ft.	Cu. ft. per acre.	Million cu. ft.	Cu. ft. per acre.
High Forest—				
Conifers	26·0	31·6	27·6	33·5
Hardwoods	11·5	19·4	15·8	26·6
Coppice, coppice-with-standards and uneconomic	6·1	8·3	10·0	13·6
Other types of woodland	—	—	2·6	3·2
TOTAL	43·6	14·7	56·0	18·9

From these figures it would appear that as regards high forest the annual increment of conifers amounts to 31·6 cu. ft. per acre and compares with a production of 33·5 cu. ft. per acre. The increment on hardwoods is shown as 19·4 cu. ft. as compared with a production of 26·6 cu. ft. Coppice, coppice-with-standards and “uneconomic” woodlands are estimated to have an increment of 8·3 cu. ft. which compares with a production of 13·6 cu. ft. from woodlands of these types. The total increment on woodlands of all descriptions including the scrub and felled areas is 43,600,000 cu. ft. (14·7 cu. ft. per acre), as compared with a production of 55,985,000 cu. ft. (18·9 cu. ft. per acre).

Home Production Compared with Total Timber Consumption.

In the following table the quantity of timber produced at home is compared with the figures for imported timber and pulp of wood for 1924. In order to facilitate comparison both the home production and the imports are expressed in terms of standing timber. Imports of wood manufactures are not included in the table. It will be observed that the home production amounts to only 5·4 per cent. of the total consumption :—

	Conifers.	Hardwoods.	Total.
	Million cu. ft.	Million cu. ft.	Million cu. ft.
Net imports of timber and pulp of wood (in terms of standing timber)	906·4	74·7	981·1
Home production of wood of all descriptions	30·9	25·1	56·0
TOTAL CONSUMPTION	937·3	99·8	1,037·1
Home production as percentage of total consumption	3·3	25·2	5·4

APPENDIX.

HOME-GROWN TIMBER. (Census of Production Act, 1906.)

FORESTRY COMMISSION,
22, GROSVENOR GARDENS,
LONDON, S.W.1.

April, 1925.

SIR,

I am directed by the Forestry Commissioners to state that in connection with the Census of Production (1924) of all industries in Great Britain, they have been requested to conduct an enquiry into the production of home-grown timber. They will be obliged therefore if you will be good enough to furnish particulars of your woodlands on the form overleaf.

I am to assure you that any information supplied by you will be regarded as *strictly confidential*, and will be used only for the preparation of statistical returns.

The schedule, when completed, should be returned to the Assistant Commissioner, who will be pleased to answer any enquiries if difficulty is experienced in interpreting the schedule.

Communications should be addressed as follows:—

ENGLAND AND WALES.—The Assistant Commissioner for England and Wales, Forestry Commission, 1, Whitehall, London, S.W.1.

SCOTLAND.—The Assistant Commissioner for Scotland, Forestry Commission, 25, Drumsheugh Gardens, Edinburgh.

I am, Sir,

Your obedient Servant,

A. G. HERBERT,

Secretary.

To

Estate

FORESTRY COMMISSION.
(Census of Production Act, 1906.)

(Attention is directed to the Explanatory Notes on the last page of this Schedule.)

County Estate

Owner Total area of estate.....acres.

Total area of woodlands.....acres.

SECTION 1.—*Distribution of Total Woodland Area.*
(Please give the total area in each category.)

Type of Woodland.	Age Classes.				Total.
	0-20 years.	21-40 years.	41-80 years.	Over 80 years.	
	Acres.	Acres.	Acres.	Acres.	Acres.
High Forest—					
<i>Mainly conifers</i>					
<i>Mainly hardwoods</i>					
<i>Mixed conifers and hard-</i> <i>woods</i>					
Coppice (underwood)					
Coppice (underwood)-with-standards					
Scrub					
Felled and/or devastated					
Amenity woods, parks, etc.					
TOTAL					

SECTION 3.—*Miscellaneous Produce.*
(*Bark, Charcoal, etc.*)

Kind of Product.	Quantity.	Value.
		£

67

SECTION 4.—*Number of Persons Employed in Forestry Operations.*

	Men.	Women.	Juveniles under 18.		Total.
			Male.	Female.	
Permanent or principal occupation— <i>Number as at 30th September, 1924</i> ..					
Temporary or occasional occupation— <i>Minimum during year</i>					
<i>Maximum during year</i>					

Signature..... *Date*.....1925.
Address.....
.....

EXPLANATORY NOTES.

1. *Fellings*.—All trees sold for felling should be included, even if they were not actually felled in the year of return. Trees sold standing in a previous year, even if felled during 1923–24, should not be entered. Thinnings, if utilised or sold, should be included in the return.

2. *Quantity*.—Quantities by cubic feet should be given on the basis of quarter-girth over-bark measurement. Where timber or other produce has not been sold by volume and the number of cubic feet cannot be given, the quantity may be expressed in tons, cords, number of trees, etc., the unit of measurement used being stated.

3. *Value*.—For the sake of uniformity, all values should be expressed as for timber standing, the necessary adjustment being made if the timber has been disposed of otherwise. Values should also be assigned to timber, etc., used on the estate, any felling or conversion charges being excluded.

4. *Species*.—Under Part B of Section 2, while it is desirable that production should be classified by individual species, there may be cases where such details cannot be given. If so, it is hoped that differentiation may at least be made between conifers and hardwoods.

5. *Period of Return*.—The figures in the return should be confined to the twelve months from 1st October, 1923, to 30th September, 1924, or alternatively (if more convenient) to the last complete estate accounting year if this ends within the second half of 1924; in the latter case the date on which the twelve months terminated should be stated.

Where accurate figures are not available, the best estimates practicable should be furnished.

If the answer to any question is None, please write "None" in the space provided. This is important for compiling the statistics.

If the particulars are not known, please write "Not known."

PUBLICATIONS OF THE FORESTRY COMMISSION.

	<i>Price</i>	<i>Post</i>
	<i>s. d.</i>	<i>free.</i>
BRITISH EMPIRE FORESTRY CONFERENCE, 1920 ..	7 6	7 10½
BRITISH YIELD TABLES (Reprinted from Bull. No. 3) ..	<i>Out of Print.</i>	

BULLETINS :—

1. Collection of Data as to the Rate of Growth of Timber	0 4 0 5
2. Survey of Forest Insect Conditions	<i>Out of Print.</i>
3. Rate of Growth of Conifers in the British Isles ..	<i>Out of Print.</i>
4. The Douglas Fir Chermes (Chermes Cooleyi) ..	2 0 2 1
5. Poplars	1 6 1 7
6. The Phomopsis Disease of Conifers	1 6 1 7
7. The Silver Fir Chermes	1 6 1 7
8. British Bark-Beetles	2 6 2 7
9. Beetles Injurious to Timber	1 3 1 4
10. Growth and Yield of Conifers in Great Britain ..	<i>In the Press.</i>
11. Nursery Investigations	3 6 3 9

ANNUAL REPORTS OF THE FORESTRY COMMISSIONERS :—

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“ “ “ 1925—H.C. 89 ..	0 9 0 10
“ “ “ 1926—H.C. 72 ..	1 0 1 1
“ “ “ 1927—H.C. 85 ..	<i>In the Press.</i>

Copies of the above publications may be purchased through any book-seller or directly from H.M. Stationery Office, Adastral House, Kingsway, London, W.C.2. They cannot be obtained from the Forestry Commission.

LEAFLETS.

1. Pine Weevils.	13. The Larch Longicorn Beetle.
2. Chermes Cooleyi.	14. The Phomopsis Disease of Conifers.
3. The Pine Shoot Beetle.	15. The Felted Beech Coccus.
4. The Black Pine Beetle.	16. Larch Canker.
5. Conifer Heart Rot.	17. Chafer Beetles.
6. Honey Fungus.	18. Douglas Fir Leaf-cast Disease.
7. Chermes attacking Spruce and other Conifers.	<i>Published by the Ministry of Agriculture and now issued by the Forestry Commission.</i>
8. Douglas Fir Seed Fly.	103. The Pine Sawfly.
9. Forest Fires.	186. The Large Larch Sawfly
10. Defoliation of Oak.	
11. Larch-shoot Moths.	
12. Income Tax and Death Duties on Woodlands.	

Copies of the leaflets may be obtained free of charge on application to the Secretary, Forestry Commission, 22, Grosvenor Gardens, London, S.W.1.