FORESTRY COMMISSION

Seventeenth Annual Report of the Forestry Commissioners

for the Year ending September 30th 1936

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SEVENTEENTH ANNUAL REPORT

of the

FORESTRY COMMISSIONERS

for the

Year ending September 30th, 1936.

Forest Policy.

In the Commissioners' last Annual Report which covered the year ended 30th September, 1935, a statement was given of recent changes in forest policy. There were two main features both of which have entailed increased activity. The first was an increase of the annual grant-in-aid to the Forestry Fund from £450,000 to £500,000 which, with certain assistance towards land acquisition from the Commissioners of Crown Lands, was intended to enable the Forestry Commissioners gradually to increase their normal planting programme from about 20,000 acres to 30,000 acres per annum.

The second feature was the initiation of a scheme of afforestation and forest workers' holdings in connection with the Special Areas of England and Wales. The Special Areas concerned are the mining districts of South Wales; and, in the north of England, Durham and Tyneside, Haltwhistle and West Cumberland. It had been estimated that within about 15 miles of these Special Areas there were 200,000 acres or thereabouts of land which might be acquired for afforestation and that 1,000 forest workers' holdings might usefully be established. As a first instalment covering three years and largely as an experiment, the Commissioners were authorised to acquire and begin to plant 100,000 acres and to establish 500 holdings. The financial provision for the year beginning 1st April, 1936, amounted to £200,000, thereby increasing to £700,000 the total sum voted by Parliament to the Forestry Fund in that year.

These changes were announced late in February 1936, that is to say towards the end of the first half of the year now under review, and all that strictly falls for comment in this Report is confined to seven months' preparatory work which followed the announcement.

The Commissioners have had occasion to comment from time to time on the difficulty of expanding suddenly their afforestation operations. There are three factors involved: provision of suitable small trees for planting, acquisition of land, and finally provision of skilled staff.

The average age of small trees for planting in the forest is three years so that seed sown in the spring of 1936 has little effect on the planting programme until the winter of 1938-39. Steps were taken at once in the spring of 1936 to cultivate a larger area (over 100 acres) of nursery ground and to sow seed additional to normal requirements. The largest new nursery established was at Tair Onen (68 acres) near Cardiff. Some 450 lb. of coniferous seed was sown and 10 million seedlings were lined-out for use in the Special Areas.

The acquisition of land also takes time. The first step is the location and survey (from the point of view of timber production) of suitable blocks. Care and skill are required especially in the vicinity of industrial areas where there is risk of damage from smoke and fumes. Negotiations for purchase or lease follow and when the first two processes of survey and settling terms of acquisition have been concluded there remains the final stage of effecting the legal transfer of the land. Even then the Commissioners are not wholly free to do what they will on the land because it is usually under some form of occupation and fair terms for resumption have to be made with tenants. There is a general consensus of opinion that from the national point of view large areas of land of the types which the Commissioners require for afforestation ought to be used for timber production and further that any additional work which can be brought to the Special Areas ought to be pressed forward. negotiating for land the Commissioners sometimes find that these important considerations are not fully appreciated either by the owners or by those who object to any alteration of the countryside.

The provision of skilled staff was also a matter of some difficulty. It could not be met merely by transfer of officers from the normal programme to the Special Areas work because both were in process of expansion. Moreover the work is highly specialised and could not be left to men who were unacquainted with the Commissioners' experiences and procedure on the older afforestation units. It was decided to form at once the nucleus of two Divisions, one in South Wales and one in the north of England, with offices at Cardiff and Carlisle respectively, to strengthen the land acquisition staff by the recruitment of young landagents and the District Officer staff by recruitment of graduates in forestry from the Universities. To ensure a supply of supervisors (foresters and foremen) the existing Apprentices' Schools in the Forest of Dean (Gloucester) and Benmore (Argyll) were filled to capacity. For the work in connection with the formation of forest holdings a senior land-agent was appointed together with clerks of works to supervise building operations.

A re-organisation such as has been described, of necessity increases the strain on the older established officers and the Commissioners desire to place on record their appreciation of the way in which both their outdoor and indoor staffs have risen to the occasion.

Without attempting to anticipate in detail the progress of work which will fall into the next Annual Report it may be stated, so far as the Special Areas are concerned, that up to May 1937 the acquisition of 14,100 acres of plantable land had been completed and the acquisition of an additional 23,600 plantable acres had been approved; 86 forest workers' holdings had been completed or were in course of establishment. No additional planting was possible in the winter of 1936-37 but plans are being made for the planting of 3,350 acres in 1937-38.

FINANCE.

The balance in the Forestry Fund at the commencement of the forest year was £261,670. Receipts from Parliamentary Votes (£700,000) and Forestry Operations (£186,140) amounted to £886,140. Payments amounted to £718,869, so that the balance in the Fund at 30th September, 1936, was £428,941. The progress of payments and receipts is indicated in the table below.

Forestry Fund: Payments and Receipts.

| Year ending | | Payments. | | | Receipts. | | N | let Payment | ts. |
|--------------------|-----------|-----------|---------------------------|-----------|-----------|---------------------------|-----------|-------------|--------------------------|
| 30th September. | Proposed. | Actual. | Excess (+) Deficit (-) | Proposed. | Actual. | Excess (+) Deficit (-) | Proposed. | Actual. | Excess (+) Deficit -) |
| First decade: | £ | £ | £ | £ | £ | £ | £ | £ | £ |
| 1920-29 (10½ | _ | 4,502,018 | _ | _ | 851,484 | L – | 3,892,000 | 3,650,534 | - 241,466 |
| financial years) | | | | | | | | | |
| Second decade: | | | | | | | | | |
| 1930 | 958,000 | 808,237 | -149,763 | 145,000 | 148,337 | + 3,337 | 813,000 | 659,900 | - 153,100 |
| 1931 | 1,019,000 | 842,490 | - 176,510 | 158,000 | 171,556 | + 13,556 | 861,000 | . 670,934 | - 190,066 |
| 1932 | 798,000 | 761,220 | - 36,780 | 159,000 | 151,466 | - 7,534 | 639,000 | 609,754 | - 29,246 |
| 1933 | 602,000 | 582,259 | - 19,741 | 153,000 | 146,629 | - 6,371 | 449,000 | 435,630 | - 13,370 |
| 1934 | 600,000 | 618,852 | + 18,852 | 150,000 | 172,953 | + 22,953 | 450,000 | 445,899 | - 4,101 |
| 1935 | 611,000 | 620,818 | + 9,818 | 156,000 | 178,339 | + 22,339 | 455,000 | 442,479 | - 12,521 |
| 1936 | 754,000 | 718,869 | - 35,x3x | 174,000 | 186,140 | + 12,140 | 580,000 | 532,729 | 47,271 |
| | · | | | | | Total | l _ | 7,447,859 | <u> </u> |

COMMISSIONERS' ESTATES.

The following statement presents a general view of the properties under the charge of the Commissioners at 30th September, 1936. It shows the total number of forests, the ways in A 2

which the land is utilised, or proposed to be utilised (in round figures) the main silvicultural operations conducted during the year and some details regarding Holdings and Estate Management.

| mon. | | | |
|---|-------------|-----------|----------------|
| | England | | Total |
| N of F | and Wales. | Scotland. | Great Britain. |
| Number of Forests: | | | |
| At beginning of year | 105 | 86 | 191 |
| At end of year | 109 | 88 | 197 |
| | | | |
| Utilisation of Ground (Acres): | | | |
| Forest Land: | | | |
| Acquired Plantations Planted by Forestry | | 9,000 | 67,000 |
| Commission | 181,000 | 108,000 | 289,000 |
| To be planted | 126,000 | 94,000 | 220,000 |
| _ | ——— 365,000 | 211,000 | 576,000 |
| Nurseries | | 400 | 1,000 |
| Agricultural | | 10,000 | 30,000 |
| Forest Workers' Holdings Unplantable and | | 2,000 | ,12,000 |
| Miscellaneous | 109,900 | 225,600 | 335,500 |
| | 505,500 | 449,000 | 954,500 |
| Silvicultural Operations during Year (Acres): | | | |
| Planted and Sown | 12,422 | 8,154 | 20,576 |
| Naturally Regenerated | Io | 2 | 12 |
| Underplanted | 141 | 19 | 160 |
| Thinned | 3,016 | 564 | 3,580 |
| Felled | 490 | 17 | 507 |
| Holdings and Estate Manage- ment: | | | |
| Number of Forest Workers' Holdings established: | | | |
| At beginning of year | 924 | 329 | 1,253 |
| During year | | 5 | 15 |
| At end of year | 934 | 334 | 1,268 |
| Other Tenancies: | | | |
| Agricultural Holdings: | | | |
| Under £20 p.a | 420 | 260 | 68o |
| Over £20 p.a | | 160 | 417 |
| Foresters' Houses | | 59 | 163 |
| Cottages | 289 | 173 | 462 |
| Residential and Sporting Easements, Permissions, | 281 | 199 | 480 |
| Minerals, etc. | 1,904 | 105 | 2,009 |
| Site Rents and Feus | • | 195 | 195 |
| | 3,255 | 1,151 | 4,406 |
| | | | |

LAND ACQUISITION.

Acquisitions during the year amounted to 25,336 acres net, of which 18,244 acres were classified as plantable.

Acquisition of Plantable Land.

| | | | | | Total. | _ |
|--------------------------|-------|---------------------|-----------------|---------|----------------------|------------------------|
| Year endi 30th Septem | 0 | By Lease or Feu. | By Purchase. | Actual. | Acland Proposals. | Excess (+) Deficit (-) |
| First decade | : | Acres. | Acres. | Acres. | Acres. | Acres. |
| 1920–29 | • • • | 156,759 | 153,471 | 310,230 | 402,000 | - 91,770 |
| Second decad | de: | | | | | |
| 1930 | | 8,409 | 25,951 | 34,360 | 34,300 | + 60 |
| 1931 | | 4,851 | 44,007 | 48,858 | 34,300 | + 14,558 |
| 1932 | | 4,970 | 41,467 | 46,437 | 34,300 | + 12,137 |
| 1933 | | 2,885 | 12,450 | 15,335 | 34,300 | - 18,965 |
| 1934 | | 11,581 | 17,305 | 28,886 | 34,300 | - 5,414 |
| 1935 | ••• | 268 | 13,772 | 14,040 | 34,300 | - 20,260 |
| 1936 | | 603 | 17,641 | 18,244 | 34,300 | - 16,056 |
| Total | ••• | 190,326 | 326,064 | 516,390 | 642,100 | - 125,710 |

PLANTING PROGRAMME.

State Forests.

The area planted during the year was 20,576 acres.

Area Planted.

| Year ending | | Proposed | Ac | tually Plant | ed. | Excess (+) Deficit (-) |
|----------------|-------|-------------------|----------------------------------|--------------|---------|--------------------------------------|
| 30th September | | to be Planted. | New Replace- Planting. ments. | | Total. | on Decade or Annual Programme. |
| | | Acres. | Acres. | Acres. | Acres. | Acres. |
| First decad | le: | | | | | |
| 1920-29 | | | | _ ' | _ | |
| Conifer | | 150,000 | 126,444 | 4,316 | 130,760 | — 19,240 |
| Hardw | roods | unspecified | 6,365 | 1,146 | 7,511 | |
| | | | | | 138,271 | |
| Second dec | cade: | | | | -3-,-,- | |
| 1930 | | 25,000 | 21,404 | 3,698 | 25,102 | + 102 |
| 1931 | ••• | 25,000 | 24,234 | 1,396 | 25,630 | + 630 |
| 1932 | | 20,000* | 21,959 | 704 | 22,663 | + 2,663 |
| 1933 | | 20,000* | 20,394 | 657 | 21,051 | + 1,051 |
| 1934 | | 20,000* | 20,365† | 1,302† | 21,667 | + 1,667 |
| 1935 | | 20,000* | 20,773† | 719† | 21,492 | + 1,492 |
| 1936 | ••• | 20,000* | 19,495 | 1,081 | 20,576 | + 576 |
| Tota | al | | 281,433 | 15,019 | 296,452 | _ |

^{*} Minimum area.

[†] Revised owing to re-survey.

The total area planted by the Commission to 30th September, 1936, was 296,452 acres, of which 276,077 acres consisted of conifers and 20,375 acres of hardwoods. New planting accounted for 281,433 acres and replacements, which included 5,214 acres replanted after damage by fire, for 15,019 acres. Details are given below.

| C | Conifers. | Hardwoods. | Total. |
|------------------------------|-----------|------------|---------|
| | Acres. | Acres. | Acres. |
| New planting Replacements | 264,221 | 17,212 | 281,433 |
| Replacements | 11,856 | 3,163 | 15,019 |
| | | | |
| Total | 276,077 | 20,375 | 296,452 |
| | | | |

Assistance to Local Authorities and Private Owners.

The Commissioners have continued to assist planting by local authorities and private owners by means of grants and a proceeds-sharing scheme. The total area planted amounts to III,264 acres, of which 5,361 acres were planted during the year. Particulars of the grants are given on page 33.

| Time 1 1 . 1 . | | Acres. |
|----------------|-----|---------|
| First decade: | | |
| 1920-29 | | 72,856 |
| Second decade: | | |
| 1930 | | 6,501 |
| 1931 | | 5,816 |
| 1932 | | 5,084 |
| 1933 | | 4,574 |
| 1934 | ••• | 5,578 |
| 1935 | ••• | 5,494 |
| 1936 | ••• | 5,361 |
| Total | | 111,264 |

Utilisation of Home Grown Timber.

Attention has been given continuously to this important subject both by the Commissioners and by the National Home Grown Timber Council, which has now published its first Annual Report.*

There was a distinct tendency during 1936 for the prices of home-grown timber to rise and the first months of 1937 have seen a spectacular rise in the prices of imported pit-props. Rightly used these increases will afford an excellent opportunity

^{*} First Annual Report of the National Home Grown Timber Council, 1936. The Offices of the Council, 11, Victoria St., S.W.1. Price 1s.

to overtake arrears of thinnings in young coniferous plantations many of which have been neglected in recent years. It is to be hoped, on the other hand, that owners of woodlands will not be tempted to clear-fell immature plantations which, in the national interests, should be allowed to grow on to maturity.

Amenity.

The Joint Informal Committee of the Commissioners and the Council for the Preservation of Rural England met from time to time. Perhaps the most important question before them was that of afforestation in the Lake District. As the main result of the discussion the Commissioners have agreed not to acquire land for afforestation within an area embracing some 300 square miles. The report of the Joint Committee has been published as a White Paper.*

Other subjects which have claimed the attention of the Joint Committee are Breckland, Dartmoor and Snowdonia (in collaboration with the Council for the Preservation of Rural Wales) and the more general question of the principles underlying amenity planting.

The Commissioners desire to express their appreciation of the time and trouble which members of the Committee have given to the problems placed before them and of the friendly and helpful spirit in which the discussions have been conducted.

Private Woodlands.

The question of the neglect of private woodlands to which reference has been made in previous Annual Reports has been gradually coming to the fore and although no definite action was taken in the year under review a determined effort is at present being made by the national forestry societies to effect an improvement in the position. It is not proposed to discuss the question in this Report but the Commissioners wish to state that they have it under consideration and desire so far as lies in their power to support the movement.

National Forest Parks.

The scheme for the Argyll National Forest Park to which reference was made in the last Annual Report has now taken definite shape. The Park comprises two closely adjoining blocks in an unspoilt and almost uninhabited district, immediately to the west of Loch Long. The area which is approximately 100 square miles in extent includes within its present boundary

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^{*} Afforestation in the Lake District. H.M. Stationery Office, 1936, Price 3d.

the hills and glens around Arrochar, Ardgoil, Glenbranter, Glenfinart and Benmore. A public camping ground, car park and buildings for the use of campers have recently been provided at Ardgartan.

The Argyll Park having been found so far to be successful the Commissioners have been encouraged to consider the formation of a somewhat similar area in Wales. A Committee of which Lt.-Col. J. C. Wynne Finch is Chairman is now examining the possibilities of the Commission's areas in Snowdonia as a further National Forest Park.

Unemployment Training Camps.

The Commissioners have continued to co-operate with the Ministry of Labour in providing sites for training camps and work for the men. The work includes fire protection, clearing and road-making. During the year under review there were 15 permanent camps and 15 summer camps with accommodation for 5,350 men. This represents an increase of 350 men on the figures for the previous year. The camps are situated in or near the following forests:—(England and Wales) Allerston, Ampleforth, Bourne, Brechfa, Hamsterley, Kershope, Kielder, Langdale, Mortimer, Rockingham, Rheola, Redesdale, Thetford; (Scotland) Glenbranter, Glenfinart. During the year eight new centres were under construction.

Gift to the Commission.

The Commissioners have gratefully to acknowledge the bequest of Gravetye Manor by the late Mr. William Robinson. The estate extends to over 1,000 acres and contains besides the well-known gardens and mansion house 444 acres of woods and 592 acres of agricultural land.

OPERATIONS—FOREST YEAR 1935-36. The Forestry Fund.

The position of the Forestry Fund at 30th September, 1936, and at the same date in previous years is shown in Table I.

| Table I.—Forestry | Fund | Account. |
|-------------------|------|----------|
|-------------------|------|----------|

| | | | Receipts. | | 1 | |
|---|---------------------------------------|---------------------------|---|-----------------------------|---|---|
| Year ending 30th September. | Balance from preceding Year. | mentary Votes. | From Forestry Operations, etc. (Table II Head Z). | Total. | Payments (Table II, Heads A to L). | Balance in Forestry Fund, 30th September. |
| _ | (1) | (2) | (3) | (4) | (5) | (6) |
| First decade: 1920-29 Second decade: 1930 | £ — 349,466 | £ 4,000,000 937,800 | £ 851,484 148,337 | £ 4,851,484 1,086,137 | £, 4,502,018 808,237 | £ 627,366 |
| 1931 | 627,366 | 490,000 | 171,556 | 661,556 | 842,490 | 446,432 |
| 1932 1933 | 446,432 235,678 | 399,000 450,000 | 151,466 146,629 | 550,466 596,629 | 761,220 582,259 | 235,678 250,048 |
| 1934 | 250,048 | 450,000 | 172,953 | 622,953 | 618,852 | 254,149 |
| 1935 1936 | 254,149 261,670 | 450,000 700,000 | 178,339 186,140 | 628,339 886,140 | 620,818 718,869 | 261,670 428,941 |
| Total | | 7,876,800 | 2,006,904 | 9,883,704 | 9,454,763 | |

Balances remaining in the Fund at 30th September include provision for the succeeding six months of the financial year.

An analysis of payments and receipts by Heads of Account is given in Table II. Compared with the previous year, total payments rose from £620,818 to £718,869, an increase of £98,051, mainly under the heads of forestry operations and forest workers' holdings. Receipts were greater by £7,801, and net payments were therefore £90,250 more than in 1935. It may be noted that Heads of Account differ in some respects from those under which estimates are presented to Parliament.

Table II is limited to sums actually expended or received, recorded by the heads of account under which they occurred. In subsequent tables, which are based on commercial practice, outstanding receipts and payments are brought to account, salaries and overhead charges (Heads A to D) are allocated to appropriate objects of expenditure, and adjustments are made between various heads of account in respect of produce used for forest purposes and transfers of land and buildings between the forests and forest workers' holdings.

Expenditure and income adjusted on the basis stated above are shown in Table IIa.

12

Table II,—Payments and Receipts by Heads of Account.

| | NET Payments. | (14) | ¥ | 3,650,534 | 006'659 | 670,934 | 609,754 | 435,630 | 445,899 | 442,479 | 532,729 | 7,447,859 |
|-----------|--------------------------------------|------------------|--------------|-----------|----------------|---------|---------|---------|---------|---------|---------|-----------|
| | RECEIPTS. | (13) | 3 | 851,484 | 148,337 | 171,556 | 151,466 | 146,629 | 172,953 | 178,339 | 186,140 | 2,006,904 |
| | Total. | (12) | Ŧ | 4,502,018 | 808,237 | 842,490 | 761,220 | 582,259 | 618,852 | 620,818 | 718,869 | 9,454,763 |
| | L. Forest Workers' | (11) | Ę | 325,455 | 96,418 | 96,315 | 46,999 | 11,503 | 14,643 | 14,642 | 21,255 | 627,230 |
| | K. Special Services | (or) | ¥ | 23,342 | 493 | 337 | 674 | 568 | 860 | 1,066 | 3,284 | 30,624 |
| | J. Agency and Advisory | Services. | ¥ | 91,776 | J | ı | ı | 1 | 1 | ı | 1 | 92,776 |
| | H. Research and Exneri- | ment. (8) | ¥ | 36,927 | 106'9 | 7,577 | 6,653 | 7,291 | 6,286 | 8,479 | 9,057 | 121'68 |
| nts. | G. Education. | (2) | £. | 76,004 | 9,355 | 9,628 | 6,925 | 6,002 | 5,292 | 5,999 | 6,183 | 125,388 |
| PAYMENTS. | F. Advances for Afforesta- | Purposes. (6) | ¥ | 207,824 | 14,102 | 14,067 | 13,649 | 12,103 | 14,121 | 13,968 | 13,116 | 302,950 |
| | E. Forestry | (\$) | ţ. | 3,118,837 | 598,119 | 629,461 | 603,735 | 465,637 | 498,053 | 491,506 | 573,593 | 6,978,941 |
| | Divisional Officers' Charges. | | th. | 74,434 | 9,418 | 9,787 | 10,007 | 9,401 | 9,449 | 10,340 | 10,944 | 143,780 |
| | C. Assistant Commis- | Charges. | 3 | 30,586 | 7,658 | 4,704 | 3,414 | 3,416 | 2,960 | 3,090 | 4,262 | 060'09 |
| | B. Head- quarters' Charges | (2) | ¥ | 22,676 | 2,571 | 5,267 | 5,851 | 4,219 | 4,119 | 4,343 | 4,178 | 53,224 |
| | A. Salaries, Wages and | ances. | ş | 494,157 | 63,202 | 65,347 | 63,313 | 611'59 | 63,069 | 67,385 | 72,997 | 951,589 |
| | Year ending 3oth September. | | Hiret decode | 1920-29 | Second decade: | 1661 | 2661 | г933 | 1934 | 1935 | 9861 | Total |

Table IIa.--Expenditure and Income.

| | | | | | 13 | | | | | | | |
|---|-----------------------------|---------------------------------|--------------------|----------------|-----------|----------------|--------------------|---------|---------|---------|-----------|------------|
| | NET Expendi- | TURE. | (I4) | 4 | 3,569,090 | 666,364 | 597,476 | 429,120 | 450,507 | 529,742 | 2,369,076 | |
| | | Total. | (£1) | Ŧ | 916,559 | 160,606 | 179,037 | 155,339 | 187,023 | 201,601 | 2,142,291 | 100 |
| ME. | | Mis- cellaneous. | (12) | ¥ | 6,936 | 406 | 386 | 170 | 270 | 202 | 9,270 | 0.4 |
| INCOME. | Z5. | Forest Workers' Holdings. | (11) | Ŧ | 27,515 | 12,206 | 13,583 | 17,228 | 17,572 | 18,064 | 140,330 | 6.5 |
| | Zı. | Forestry Operations. | (or) | 42 | 882,108 | 147,994 | 165,068 | 137,941 | 169,132 | 183,030 | 1,992,691 | 93.r |
| | | TOTAL. | (6) | Υ | 4,485,649 | 826,970 | 854,094 758,580 | 584,459 | 632,743 | 731,343 | 9,511,367 | 100 |
| · | L. | Forest Workers' Holdings. | (8) | Υ¥ | 389,883 | 108,575 | 109,020 | 19,437 | 21,417 | 30,073 | 756,447 | 8.0 |
| f Column 1 | K. | Special Services. | (2) | Ę | 61,299 | 2,097 | 1,891 | 2,099 | 5,012 | 1,615 | 83,179 | 6.0 |
| Allocation o | J. | Agency and Advisory | (6) | ټې | 99,233 | 1,177 | 1,167 | 944 | 1,201 | 1,180 | 107,034 | 1.1 |
| (including | H. | Research and Experi- | | ¥ | 79,650 | 12,338 | 12,598 | 12,182 | 13,739 | 14,132 | 168,266 | 1.8 |
| EXPENDITURE (including Allocation of Column 1). | ن | Education. | (4) | ¥ | 101,313 | 10,208 | 11,411 8,884 | 8,226 | 8,013 | 9,074 | 165,187 | 1.7 |
| Ξ | F. | for Affores- tation. | f ut poses. (3) | F | 241,694 | 16,944 | 16,573 | 14,353 | 16,639 | 15,872 | 354,866 | 3.7 |
| | ឆ | Forestry Operations. | (2) | Ŧ | 3,512,577 | 675,631 | 701,434 661,180 | 527,218 | 566,454 | 655,041 | 7,876,388 | 82.8 |
| A to D. | Supenor Super- vision | | (τ) | 3 | 582,178 | 83,414 | 85,803 80,972 | 79,182 | 85,263 | 92,579 | 1,168,991 | |
| | Year ending | 3oth September. | | First decade : | 62-0261 | Second decade: | 1931 | 1933 | 1935 | 1936 | Total | Percentage |

Note.—The above and subsequent tables do not include the amount of the valuation (£1,738,075) placed on the Crown properties transferred to the Commission under the Forestry (Transfer of Woods) Orders in Council dated 21st March, 1924 and 1st June, 1926.

Subheads A to D—General Organisation. Expenditure, £92,579.

Compared with 1935, expenditure rose by £7,316, due to additional staff and office accommodation required for work in connection with the Special Areas, and normal increments. The number of Divisional Officers was increased from 13 to 16, an Estate Officer was appointed and the number of District Officers was raised from 47 to 49.

Subhead E—Forestry Operations. Expenditure, £655,041; Income, £183,030.

Details of expenditure and income are given in Table E. Gross expenditure was £88,587 more than in 1935. The chief increases were £45,370 on acquisition of land, £19,319 on cultural operations and £12,377 on miscellaneous items. Income from forestry operations rose by £13,828.

Overhead Charges, £31,906; Superior Supervision, £37,308, and Local Supervision, £52,257.—Overhead charges are in respect of salaries, allowances and other expenses in the offices of the Commissioners and Assistant Commissioners. Superior supervision represents similar expenditure in respect of the Deputy Surveyors, Divisional Officers and District Officers; and local supervision includes the salaries, housing allowances and miscellaneous expenses of Foresters and Foremen. During the year the number of Foresters and Foremen employed in forestry operations was increased by 40. At 30th September the total numbers employed were:—Foresters 175 (Head, 7; Grade I, 35; Grade II, 133) and Foremen 146.

Acquisition of Land, Buildings and Standing Timber.— Expenditure amounted to £115,412, of which £90,334 was in respect of purchases of land including standing timber and buildings, and £25,078 in respect of land held on long lease or feu. (This expenditure is not directly applicable to the areas acquired during the year, particulars of which follow.)

The total area of land acquired during the forest year 1935-36 amounted to 28,957 acres, of which 18,742 acres were classified as plantable. On the other hand disposals and adjustments amounted to 3,621 acres (498 acres plantable).

The average rent or feu duty for land acquired for forestry operations during the year by lease or feu was approximately 2s. IId. per acre and the average price for such land purchased, approximately £2 15s. 6d. per acre. If the whole outlay in respect of land, buildings, timber, etc., were charged against plantable land the figures would be 2s. IId. and £4 8s. respectively. Land and buildings for forest workers' holdings are excluded.

Table E.—Forestry Operations.

| | | | | | 15 | | | | | | | |
|------------------------------------|--------------------------------------|-------------------|----------------|-----------|----------------|---------|----------|---------|---------|---------|---------|---------------------|
| | NET Expen- diture. | (1 ₅) | Ĵ | 2,630,469 | 527,637 | 536,366 | \$16,964 | 389,277 | 413,721 | 397,252 | 472,011 | 5,883,697 |
| o). | Total. | (14) | , y | 882,108 | 147,994 | 165,068 | 144,216 | 137,941 | 163,132 | 169,202 | 183,030 | 1,992,691 100 |
| INCOME (Table IIa, Column 10) | Other. | (13) | يپ | 122,639 | 16,219 | 20,802 | 16,621 | 11,030 | 16,861 | 18,074 | 21,184 | 243,430 I2·2 |
| (Table IIa, | Forest Produce. | (12) | ¥ | 406,594 | 63,949 | 56,768 | 49,477 | 47,321 | 55,893 | 63,112 | 73,111 | 816,225 41.0 |
| INCOME | Rents and Royalties. | (11) | يب | 274,091 | 65,184 | 71,930 | 70,249 | 75,127 | 78,120 | 81,622 | 83,027 | 799,350 40 · I |
| | Sales of Land and Build- | ings. (ro) | ¥ | 78,784 | 2,642 | 15,568 | 7,869 | 4,463 | 12,258 | 6,394 | 5,708 | 133,686 |
| | Total. | (6) | Ę. | 3,512,577 | 675,631 | 701,434 | 661,180 | 527,218 | 576,853 | 566,454 | 655,041 | 7,876,388 100 |
| | Stores and Miscel- laneous. | (8) | Ŧ | 411,677 | 63,154 | 71,661 | 63,362 | 48,566 | 61,184 | 50,830 | 63,207 | 833,641 10·6 |
| 2). | Roads and Build- ings. | (2) | y2 | 115,488 | 26,566 | 27,483 | 24,376 | 18,301 | 18,629 | 18,129 | 18,021 | 266,993 3.4 |
| la, Column | Prepara- tion and Sale of | Produce. (6) | 3 | 118,853 | 22,871 | 20,972 | 20,345 | 26,766 | 30,966 | 34,489 | 36,123 | 311,385 3.9 |
| Expenditure (Table IIa, Column 2). | Cultural Opera- tions. | (3) | ¥ | 1,510,801 | 280,356 | 285,558 | 252,556 | 254,363 | 265,071 | 281,488 | 300,807 | 3,431,000 43.6 |
| EXPENDITUR | Acquisi- tion of Land, etc. | (4) | ¥ | 787,509 | 186,640 | 193,444 | 200,552 | 76,394 | 95,215 | 70,042 | 115,412 | 1,725,208 |
| | Local Super- vision. | (3) | ¥ | 174,130 | 36,674 | 39,413 | 40,633 | 43,467 | 46,034 | 48,364 | 52,257 | 480,972 6.1 |
| | Superior Super- vision. | (2) | Ŧ | 201,122 | 29,957 | 30,929 | 30,004 | 29,752 | 31,856 | 35,127 | 37,308 | 426,055 |
| | Over- head Charges. | (I) | 77 | 192,997 | 29,413 | 31,974 | 29,352 | 59,609 | 27,898 | 27,985 | 31,906 | 401,134 5.1 |
| - | Year ending 30th September. | , | Tiret decade . | 1920-29 | Second decade: | 1661 | 2861 | 8861 | 1934 | 5661 | 9861 | Total Percentage |

The net total area in Great Britain in respect of which the legal formalities of acquisition by the Department had been completed by 30th September, 1936, was 831,760 acres, the corresponding figures in the two previous Annual Reports being 806,424 and 771,046 acres. In addition to these completed acquisitions, entry had been secured to a number of other properties. Details are given in the table below, which also shows the area of "plantable" and "other land", i.e., land which is either too poor to plant or is required for other purposes.

Land acquired by Lease, Feu and Purchase from 29th November, 1919 to 30th September, 1936.

| | By L | ease and | Feu. | Ву | y Purchas | se. | |
|--|--|----------------|------------------|--|----------------|--------------|--------------------|
| | Plant- able (includ- ing planted). | Other Land. | Total. | Plant- able (includ- ing planted). | Other Land. | Total. | Total Acquired. |
| England and Wales:— Finally com- | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. | Acres. |
| pleted Entry secured | 110,951 2,632 | 25,103 107 | 136,054 2,739 | 196,824 | 63,570 | 260,394 — | 396,448 2,739 |
| Total | 113,583 | 25,210 | 138,793 | 196,824 | 63,570 | 260,394 | 399,187 |
| Scotland:— Finally completed Entry secured | 76,743 | 78,818 — | 155,561 | 129,240 | 150,511 | 279,751 | 435,312 |
| Total | 76,743 | 78,818 | 155,561 | 129,240 | 150,511 | 279,751 | 435,312 |
| Great Britain | 190,326 | 104,028 | 294,354 | 326,064 | 214,081 | 540,145 | 834,499 |

Of the net total area acquired by lease, feu and purchase in Great Britain to 30th September, 516,390 acres were classified at the time of acquisition as plantable and of this area 310,407 acres (60 per cent.) were in England and Wales and 205,983 acres (40 per cent.) in Scotland.

In addition to the above-mentioned areas, Crown woodlands extending to about 120,000 acres (of which some 60,000 acres are plantable) have been transferred to the Forestry Commis-

sioners.

The total area of land in the Commissioners' control thus approximates to 954,500 acres. In round figures the utilisation as at 30th September, 1936, was as shown in the table on page 6.

Forestry Commission Units.

ENGLAND AND WALES.

| | ENGLAND AND | WA | LES. |
|-----|--------------------------------------|------------|----------------------------------|
| ı. | Chopwell, Durham.* | 33. | Llanover, Monmouth. |
| 2. | Delamere, Cheshire.* | 34. | Chepstow, Glos. and |
| 3∙ | Hafod Fawr, Merioneth.* | | Monmouth. |
| 4. | Dean Forest, Glos., Hereford | 35• | Bodmin, Cornwall. |
| | and Monmouth.* | 36. | Halwill, Devon. |
| 5. | Tintern, Monmouth.* | 37. | Haldon, Devon. |
| 6. | Dymock, Glos. and Hereford.* | з8. | Eggesford, Devon. • |
| 7. | Salcey, Bucks. and | 39. | Brendon, Somerset.‡ |
| 7. | Northants.* | 40. | Quantocks, Somerset. |
| 8. | Hazelborough, Bucks. and | 41. | Wareham, Dorset. |
| | Northants.* | 42. | Bramshill, Berks. and Hants. |
| 9. | Alice Holt, Hants.* | 43. | Chiddingfold, Surrey and |
| 10. | Woolmer, Hants.* | | Sussex. |
| II. | Bere, Hants.* | 44. | Ennerdale, Cumberland. |
| 12. | New Forest, Hants.* | 45. | Clipstone, Derby and Notts. |
| 13. | Parkhurst, Isle of Wight.* | 46. | Beddgelert, Caernarvon. |
| 14. | Bedgebury, Kent and Sussex.* | 47. | Cynwyd, Merioneth. |
| 15. | Rothbury, Northumberland. | 48. | Dovey, Merioneth and Montgomery. |
| 16. | Thornthwaite, Cumberland. | 49. | Radnor, Radnor. |
| 17. | Allerston, Yorks. | 50. | Lyminge, Kent. |
| 18. | Selby, Yorks. | 5I. | Kielder, Northumberland. |
| 19. | Gwydyr, Caernarvon and | 52. | Haugh, Hereford. |
| | Denbigh. | 53. | Wyre, Worcester. |
| 20. | Coed-y-Brenin, Merioneth.† | 54. | Brecon, Brecknock. |
| 21. | Cannock Chase, Stafford. | 55. | Brechfa, Carmarthen. |
| 22. | Rockingham, Northants. | 56. | Ringwood, Dorset and |
| 23. | Swaffham, Norfolk. | 34. | Hants. |
| 24. | Thetford Chase, Norfolk and Suffolk. | 57. | Bourne, Lincoln and Rutland. |
| 25. | Rendlesham, Suffolk. | 58. | Hamsterley, Durham. |
| 26. | Ampthill, Bedford. | 59. | Hope, Derby. |
| 27. | Mortimer, Hereford, Radnor | 59. 60. | Laughton, Lincoln. |
| _ | and Salop. | 61. | Friston, Sussex. |
| 28. | Walcot, Salop. | 62. | Micheldever, Hants. |
| 29. | Kerry, Montgomery and | J2. | initiation of a remise. |

Kerry,

Salop.

Rheola, Glamorgan.

Margam, Glamorgan.

Llantrisant, Glamorgan.

30.

31.

32.

63.

64.

65.

66.

Ferndown, Dorset.

Rosedale, Yorks.

Wilsey Down, Cornwall.

Glasfynydd, Brecknock.

Former Crown woods.

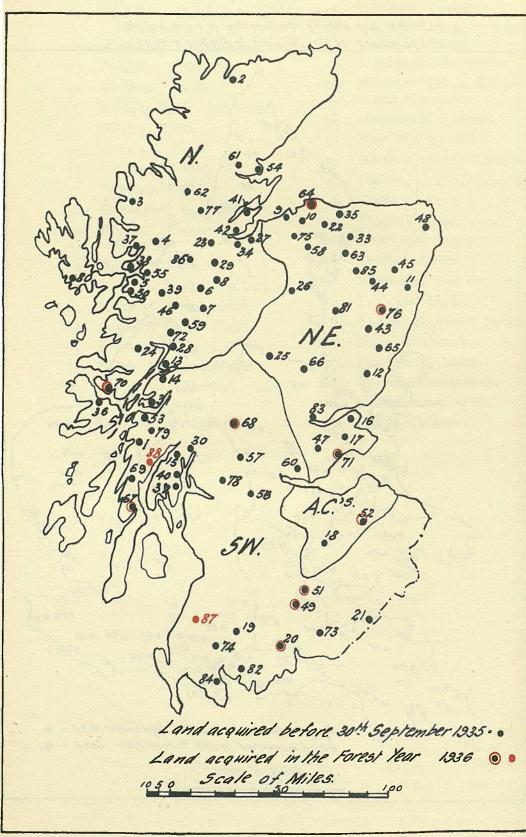
[†] Formerly known as Vaughan. ‡ Formerly known as Exmoor.

- 67. Ampleforth, Yorks.
- 68. Cwmeinion, Cardigan.
- Tarenig, Cardigan and Montgomery.
- 70. Mathrafal, Montgomery.
- 71. Pembrey, Carmarthen.
- 72. Westbury, Hants.
- 73. Buriton, Hants. and Sussex.
- 74. Bawtry, Notts.
- 75. Sherwood, Notts.
- 76. Swanton, Norfolk.
- 77. Dunwich, Suffolk.
- 78. Brynmawr, Cardigan.
- 79. Bruton, Somerset and Wilts.
- 80. Myherin, Cardigan.
- 81. Harwood, Northumberland.
- 82. Kershope, Cumberland.
- 83. Combley, Isle of Wight.
- 84. Brighstone, Isle of Wight.
- 85. Slaley, Northumberland.
- 86. Clocaenog, Denbigh and Merioneth.
- 87. Dyfnant, Montgomery.

- 88. Crychan, Carmarthen.
- 89. Caio, Carmarthen.
- 90. Dartmoor, Devon.
- 91. Yardley Chase, Bedford and Northants.
- 92. Arkengarthdale, Yorks.
- 93. Mynydd Ddu, Brecknock and Monmouth.
- 94. Herodsfoot, Cornwall.
- 95. West Woods, Wilts.
- 96. Bardney Woods, Lincoln.
- 97. Redesdale, Northumberland.
- 98. Challock, Kent.
- 99. Vinehall, Sussex.
- 100. Goodwood, Sussex.
- 101. Lydford, Devon.
- 102. Hardknott, Cumberland.
- 103. Langdale, Yorks.
- 104. The King's Forest, Suffolk.
- 105. Itton, Monmouth.
- 106. Hawkshead, Lancs.
- 107. Hafren, Montgomery.
- 108. Collingbourne, Wilts.
- 109. Gravetye, Sussex.

Sketch map showing the location of units and the boundaries of the Divisions in England & Wales. 092 96 022 IV 09 •39 036 900 Land acquired before 30" September 1935 . . Land acquired in the Forest Year 1936 . 10 50 10 20 30 40 50

Sketch map showing the location of units and the boundaries of the Divisions in Scotland.



SCOTLAND.

- I. Inverliever, Argyll.*
- Borgie, Sutherland.
 Slattadale, Ross.
- Slattadale, Ross.
 Achnashellach, Ross.
- 4. Achnashellach, Ross.
- 5. Ratagan, Inverness and Ross.
- 6. Inchnacardoch, Inverness.
- 7. South Laggan, Inverness.
- 8. Port Clair, Inverness.
- 9. Culbin, Moray and Nairn.
- 10. Monaughty, Moray.
- 11. Kirkhill, Aberdeen.
- 12. Montreathmont, Angus.
- 13. Glen Righ, Inverness.
- 14. Glenduror, Argyll.
- 15. Glenbranter, Argyll.
- 16. Tentsmuir, Fife.
- 17. Edensmuir, Fife.
- 18. Glentress, Peebles.
- 19. Bennan, Kirkcudbright.
- 20. Dalbeattie, Kirkcudbright.
- 21. Newcastleton, Roxburgh.
- 22. Teindland, Moray.
- 23. Glenurquhart, Inverness.
- 24. Glenhurich, Argyll.
- 25. Drummond Hill, Perth.
- 26. The Queen's Forest, Inverness.†
- 27. Culloden, Inverness.
- 28. Nevis, Inverness.
- 29. Craig-nan-Eun, Inverness.
- 30. Ardgartan, Argyll.
- Barcaldine, Argyll.
- 32. Benmore, Argyll.
- 33. The Bin, Aberdeen.
- 34. Craig Phadrig, Inverness.
- 35. Ordiequish, Moray.
- 36. Salen, Argyll.
- 37. North Strome, Ross.
- 38. South Strome, Ross.
- 39. Glenshiel, Ross.
- 40. Glenfinart, Argyll.
- 41. Findon, Ross.
- 42. Kessock, Ross.
- 43. Drumtochty, Kincardine.
- 44. Midmar, Aberdeen.

- 45. Kemnay, Aberdeen.
- 46. Glengarry, Inverness.
- 47. Blairadam, Fife and Kinross.
- 48. Deer, Aberdeen.
- 49. Forest of Ae, Dumfries.
- 50. Eilanreach, Inverness.
- 51. Greskine, Dumfries.
- 52. Edgarhope, Berwick.
- 53. Fearnoch, Argyll.
- 54. Dornoch, Sutherland.
- 55. Inverinate, Ross.
- 56. Lennox Castle, Stirling.
- Loch Ard, Perth.
- 58. Scootmore, Moray.
- 59. Clunes, Inverness.
- 60. Devilla, Fife.
- 61. Balblair, Sutherland.
- 62. Lael, Ross.
- 63. Clashindarroch, Aberdeen.
- 64. Roseisle, Moray.
- 65. Inglismaldie, Kincardine.
- Blackcraig, Perth.
- 67. Achaglachgach, Argyll.
- 68. Strathyre, Perth.;
- 69. Knapdale, Argyll.
- Fiunary, Argyll.
- 71. Carden, Fife.
- 72. Glenloy, Inverness.
- 73. Auchenroddan, Dumfries.
- 74. Kirroughtree, Kirkcudbright.
- 75. Newtyle, Moray.
- 76. Durris, Kincardine.
- 77. Longart, Ross.
- 78. Garadhban, Stirling.
- 79. Inverinan, Argyll.
- 80. Glenbrittle, Isle of Skye.
- 81. Alltcailleach, Aberdeen.
- 82. Fleet, Kirkcudbright.
- 83. Kinfauns, Perth.
- 84. Kilsture, Wigtown.
- 85. Whitehaugh, Aberdeen.
- 86. Guisachan, Inverness.
- 87. Changue, Ayr.
- Asknish, Argyll.
- * Former Crown wood.
- † Formerly known as Glenmore.
- ‡ Formerly known as Tulloch.

Table E5.—Cultural Operations (Table E, Column 5).

| | GRAND TOTAL. | (10) | ÿ | 1,510,801 | • | 280,356 | 285,558 | 252,556 | 254,363 | 265,07I | 281,488 | 300,807 | 3,431,000 100 |
|--------------|------------------------------------|------|-----------------|---------------------------|----------------|---------|---------|---------|---------|---------|---------|---------|---------------------|
| | Nurser- ies. | (6) | ž | 481,273 | , | 73,569 | 75,051 | 54,974 | 53,611 | 58,939 | 69,769 | 77,759 | 941,945 27.4 |
| | Total. | (8) | Ŧ | 1,029,528 | • | 206,787 | 210,507 | 197,582 | 200,752 | 206,132 | 214,719 | 223,048 | 2,489,055 72.6 |
| | Forest Pro- tection. | (2) | 7 | 95,824 | , | 26,169 | 27,134 | 26,139 | 32,187 | 35,617 | 35,253 | 37,662 | 315,985 |
| | Beating- up. | (9) | \mathcal{F} | 69,372 | | 22,047 | 19,040 | 16,032 | 18,729 | 20,913 | 21,532 | 20,748 | 208,413 6·1 |
| Plantations. | Weed- ing and Clean- ing. | (5) | ¥ | 183,499 | , | 36,070 | 35,803 | 39,439 | 44,113 | 43,073 | 46,695 | 52,787 | 481,479 14.0 |
| PLANT | Plant- ing. | (4) | ¥ | 243,213 | , | 43,364 | 43,096 | 34,078 | 29,105 | 30,804 | 31,974 | 30,512 | 486,146 14.2 |
| | Fencing. | (3) | Ŧ | 204,523 | | 34,554 | 38,449 | 31,425 | 29,748 | 29,203 | 29,537 | 31,205 | 428,644 12·5 |
| | Drain- age. | (2) | Ŧ | 81,147 | | 25,042 | 29,463 | 37,228 | 36,563 | 36,806 | 41,604 | 40,014 | 327,867 9·6 |
| } | Prepara- tion of Ground. | (I) | Ŧ | 151,950 | | 19,541 | 17,522 | 13,241 | 10,307 | 9,716 | 8,124 | 10,120 | 240,521 |
| | | | | : | | : | : | : | : | : | : | ÷ | : : |
| - | Year ending . 30th September. | | Tiret door do . | Filst decade . 1920–29 | Second decade: | ogi | 1931 | 1932 | 1933 | 1934 | 1935 | 936 | Total Percentage |

Cultural Operations.—Expenditure amounted to £300,807, details of which are given in Table E5. Plantations accounted for £223,048 and nurseries £77,759.

Plantations.—The total area planted or sown during the year was 20,576 acres, of which 18,525 acres were placed under conifers and 2,051 acres under broadleaved species. Included in the above are 453 acres re-afforested in the former Crown woods and 628 acres replanted after damage by fire.

The total addition to the woodland area of Great Britain as a result of the Commission's operations, was 16,031 acres. In forming plantations and beating-up previous years' plantations 50,702,000 trees were used, of which 43 per cent. were Norway and Sitka spruces; 28 per cent. Scots and Corsican pines; 11 per cent. European and Japanese larches; 2 per cent. Douglas fir, and 12 per cent. broadleaved species.

An area of 160 acres of existing woods was underplanted, necessitating the use of 136,000 plants.

The quantities of work done in the plantations during the year are shown in the table below.

Silvicultural Operations.

| Division. | Planted and Sown. | Naturally Regener- ated. | Under- planted. | Thinned. | Felled. |
|-------------------|-------------------------|--------------------------------|--------------------|----------|-------------|
| | Acres. | Acres. | Acres. | Acres. | Acres. |
| I | 3,378 | 7 | — | 212 | 12 |
| II | 2,953 | | 24 | 365 | 65 |
| III | 2,306 | - | | 49 | 24 |
| IV | 967 | - | 61 | 185 | 105 |
| V | 1,831 | _ | | 378 | 43 |
| VI | 576 | 3 | 56 | 601 | 32 |
| VII | 411 | - | . — | 1,226 | 20 9 |
| England and Wales | 12,422 | 10 | 141 | 3,016 | 490 |
| N | 1,724 | 2 | _ | 75 | _ |
| N.E | 2,083 | i — | 1 | 258 | 15 |
| S.W | 4,086 | l — | _ | 142 | |
| A.C | 261 | <u> </u> | 18 | 89 | 2 |
| Scotland | 8,154 | 2 | 19 | 564 | 17 |
| Total | 20,576 | 12 | 160 | 3,580 | 507 |
| | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |

| | | į | Area plan | ted (acres |). | |
|---|--|-----------------------|---|--|---|--|
| Forest. | Affor | ested. | Re-affo | orested. | To | tal. |
| | Coni- fers. | Broad- leaved. | Coni- fers. | Broad- leaved. | Coni- fers. | Broad- leaved. |
| Alice Holt, Hants* Allerston, Yorks Ampleforth, Yorks Ampthill, Bedford Arkengarthdale, Yorks | — 112 29 — 96 | | - 1 - 31 | 2 8 12 — | 1 112 60 — 96 | 2 14 12 — |
| Bardney Woods, Lincoln | | _ | _ | 49 | _ | 49 |
| Bawtry, Notts Beddgelert, Caernarvon Bedgebury, Kent and Sussex* Bere, Hants* Bodmin, Cornwall Bourne, Lincoln and Rutland Bramshill, Berks and Hants Brechfa, Carmarthen Brecon, Brecknock Brendon, Somerset† Brighstone, Isle of Wight Bruton, Somerset and Wilts Brynmawr, Cardigan Buriton, Hants and Sussex Caio, Carmarthen | 38 — 460 104 30 7 54 90 | 135 111 2 | 20 26 7 46 — 17 — 16 — 7 | 9 — I 15 — 22 — 6 — I2 — — — — — — — — — — — — — — — — — | 58 26 7 46 — 477 104 46 7 7 54 — 90 | 9 -1 150 -33 2 6 33 12 -54 |
| Cannock Chase, Stafford Chepstow, Gloucester and Mon- | _ | | _ | | _ | |
| mouth. Chiddingfold, Surrey and Sussex Chopwell, Durham* Clipstone, Derby and Notts Clocaenog, Denbigh and | — — 26 360 | _ _ _ 5 _ | 8 — 37 76 | 16 — 15 — | 8 — 63 436 | 16 — 20 — |
| Merioneth. Coed-y-Brenin, Merioneth‡ Combley, Isle of Wight Crychan, Carmarthen Cwmeinion, Cardigan Cynwyd, Merioneth Dartmoor, Devon Dean Forest, Glos., Hereford and | 333 | | 254 13 — — 22 — 86 | 28 — — — — 158 | 587 13 239 45 22 101 102 | 3 28 — — — — 3 193 |
| Monmouth.* Delamere, Cheshire* Dovey, Merioneth and Mont- | 24I | - | ² 4 43 | · _ | 24 284 | _ _ |
| gomery. Dunwich, Suffolk Dyfnant, Montgomery Dymock, Gloucester and Hereford.* | 43 13 | _ _ 5 | <u>-</u> | | — 43 13 | _ _ 5 |
| Eggesford, Devon Ennerdale, Cumberland Ferndown, Dorset Friston, Sussex Glasfynydd, Brecknock Goodwood, Sussex Gwydyr, Caernarvon and Denbigh. | | | 10 | | 10 139 — — — — 494 | 8 55 - 68 5 |
| Hafod Fawr, Merioneth* | 6 | | | | 6 | |

^{*} Former Crown woods.

| | Species planted, including beating-up (thousands). | | | | | | | | | | | |
|--------------------------------------|--|---|--|------------------------------------|-----------------------------|-----------------------------|--|--|--|--|--|--|
| Scots and Corsican Pines. | Eur. and Jap. Larches. | Douglas Fir. | Norway and Sitka Spruces. | Oak. | Ash. | Beech. | Others | Total. | Forest. | | | |
| 620 86 3 | 2 94 30 — | | 2 59 18 — 209 | 9 14 46 — | 3 | | 1 227 9 1 3 | 20 1,016 192 4 212 | Alice Holt.* Allerston. Ampleforth. Ampthill. Arkengarth- dale. | | | |
| - | _ | <u> </u> | 2 | 93 | 50 | — | - | 145 | Bardney Woods. | | | |
| 22 48 2 34 60 | 12 28 29 | 8 | 11 118 2 — 15 9 | 8 - - 7 - 274 | - - 4 - 83 - | 12 2 3 — | - 4 25 - 7 - | 41 122 103 39 96 366 63 | Bawtry. Beddgelert. Bedgebury.* Bere.* Bodmin. Bourne. Bramshill. Brechfa. | | | |
| 41 13 63 61 — — 47 | 174 48 9 - 2 61 - 36 | 22 ——————————————————————————————————— | 535 169 9 — 10 23 — | | - 11 18 - - | 12 100 — — 169 | 53 19 19 14 — 4 17 18 | 937 249 134 186 30 88 186 247 | Brecon. Brendon.† Brighstone. Bruton. Brynmawr. Buriton. Caio. | | | |
| 47 578 | ັ5 | | 70 | _ | _ | 44 | 161 | 858 | Cannock Chase. | | | |
| 2 | 4 | - | 5 | | _ | 4 | - | 15 | Chepstow. | | | |
| 1 444 79 | 1166 | | 49 — — 556 | 47 — — | 15 — 12 — | — — 9 3 | 59 3 | 112 11 524 807 | Chiddingfold. Chopwell.* Clipstone. Clocaenog. [in.‡ | | | |
| 34 310 — 13 — 42 | 50 15 72 — 2 — 135 | 233 —24 — 34 — | 819 90 98 4 219 104 | 67 — — — — — 284 | 12 - - - - 2 | 7 7 — — 5 88 | 38 I 8 - I 3 48 | 1,181 102 504 98 54 227 703 | Coed-y-Bren- Combley Crychan. Cwmeinion. Cynwyd. Dartmoor. Dean Forest.* | | | |
| 38 6 | 2 176 | 92 | 9 375 | _ | = | <u> </u> | 18 | 50 667 | Delamere.* Dovey. | | | |
| 48 — | | _ | — 115 5 | | _ _ _ | | 2 18 | 50 119 52 | Dunwich. Dyfnant. Dymock.* | | | |
| 1 146 15 — — 76 | 2 88 — — — — — — 211 | 13 — — — — — 84 | 3 205 9 — 37 — 690 | | | 140 216 | 1 1 13 — — 32 | 20 294 156 168 37 216 | Eggesford. Ennerdale. Ferndown. Friston. Glasfynydd. Goodwood. Gwydyr. | | | |
| _ | | | 14 | | _ | _ | _ | 14 | Hafod Fawr.* | | | |

as Exmoor.

[‡] Formerly known as Vaughan.

| | | • | Area plan | ted (acres) |). | | |
|---|----------------|-------------------|----------------|-------------------|----------------|-------------------|--|
| Forest. | Affor | ested. | Re-affo | orested. | Total. | | |
| | Coni- fers. | Broad- leaved. | Coni- fers. | Broad- leaved. | Coni- fers. | Broad- leaved. | |
| Haldon, Devon | r | | 51 | | 52 | | |
| Halwill, Devon | 174 | l — | | | 174 | | |
| Hamsterley, Durham | - | - | 19 | 10 | 19 | 10 | |
| Hardknott, Cumberland | 28 | _ | | l — i | 28 | - | |
| Harwood, Northumberland | 100 | _ | | | 100 | | |
| Haugh, Hereford Hazelborough, Bucks and Northants.* | _ | = | _ | 10 26 | _ | 10 26 | |
| Herodsfoot, Cornwall | | _ | 8 | 1 1 | 8 | 1 | |
| Hope, Derby | | l — | <u> </u> | | | · — | |
| Itton, Monmouth | | 81 | | | _ | 81 | |
| Kerry, Montgomery and Salop | — <u> </u> | _ | 21 | | 21 | | |
| Kershope, Cumberland | 498 | | | _ | 498 | _ | |
| Kielder, Northumberland | 1,658 | I | | | 1,658 | I | |
| King's Forest (The), Suffolk | 562 | 30 | 30 | 11 | 592 | 41 | |
| Laughton, Lincoln | : | | _ | | | | |
| Llanover, Monmouth | 84 | | | | 84 | | |
| Llantrisant, Glamorgan | <u> </u> | | _ | · — | — | _ | |
| Lydford, Devon | 47 | 4 | - | _ | 47 | 4 | |
| Lyminge, Kent | - | - | 4 | 34 | 4 | 34 | |
| Margam, Glamorgan | _ | I — [| _ | - | _ | | |
| Mathrafal, Montgomery | - | _ | 22 | | 22 | | |
| Micheldever, Hants Mortimer, Hereford, Radnor and | 68 | 10 | | 108 | <u> </u> | 108 | |
| Salop. | 00 | 10 | 58 | _ | 120 | 10 | |
| Myherin, Cardigan | 252 | _ | 55 | 3 | 307 | 3 | |
| Mynydd Ddu, Brecknock and | 170 | | | _ | 170 | | |
| Monmouth. | | | | ľ | , | 1 | |
| New Forest, Hants* | - | - | 72 | 18 | 72 | 18 | |
| Parkhurst, Isle of Wight* | | _ | 7 | 10 | 7 | 10 | |
| Pembrey, Carmarthen | 90 | _ | _ | | 90 | - | |
| Quantocks, Somerset | | _ | 5 | - | 5 | - | |
| Radnor, Radnor | 59 | _ | 7 | - | 66 | _ | |
| Redesdale, Northumberland Rendlesham, Suffolk | 445 13 | | | _ | 445 | 5 | |
| Rheola, Glamorgan | 206 | 5 1 | 52 | 16 | 13 258 | 17 | |
| Ringwood, Dorset and Hants | 213 | | | _ | 213 | | |
| Rockingham, Northants |] | 9 | . — | 155 | | 164 | |
| Rosedale, Yorks | 56 | 4 | _ | _ | 56 | 4 | |
| Rothbury, Northumberland | _ | -] | - | _ | - | _ | |
| Salcey, Bucks and Northants* | - | - | <u>-</u> | 33 | _ | . 33 | |
| Selby, Yorks | _ | - | I | _ | | | |
| Sherwood, Notts Slaley, Northumberland | 94 | | 15 | 2 | 15 | | |
| Swaffham, Norfolk | 105 | 16 | | | 94 | 16 | |
| Swanton, Norfolk | 98 | 2 | _ | _ | 98 | 2 | |
| Tarenig, Cardigan and Mont- | 43 | - | - | - | 43 | - | |
| Thetford Chase, Norfolk and Suffolk. | 498 | 24 | 47 | 52 | 545 | 76 | |
| Thornthwaite, Cumberland | 21 | I | | | 21 | I | |
| Tintern, Monmouth* | 3 | 3 | I | 10 | 4 | 13 | |
| Walcot, Salop | - | | - | - | <u> </u> | -, | |
| Wareham, Dorset | 89 | _3 | _ | | 89 | 3 30 | |
| Westbury, Hants West Woods, Wilts | _ | | _ 1 | 30 117 | _ | 126 | |
| 77 006 77 0000, 77 2100 | ' | 7 | , | / | ' | | |

^{*} Former

September, 1936—England and Wales—contd.

| | Species | planted, | including | beating | g-up (tl | ousand | is). | | |
|--|------------------------------------|--|--|---|--|-------------------------------------|--|---|---|
| Scots and Corsican Pines. | Eur. and Jap. Larches. | Douglas Fir. | Norway and Sitka Spruces. | Oak. | Ash. | Beech. | Others | Total. | Forest. |
| 52 15 19 8 1 — | 17 2 39 4 — — 20 | 48 — — — — | 34 346 30 39 159 3 | 40 — — 8 128 | | | I - 2 - I | 152 363 132 51 161 29 | Haldon. Halwill. Hamsterley. Hardknott. Harwood. Haugh. Hazelborough.* |
| 64 1,166 | 16 9 - 26 | 7 — 6 — 32 — | 5 — 63 904 2,621 | | | 39 — — — — 15 | 1 45 5 - 32 45 | 13 45 76 83 904 2,776 1,239 | Herodsfoot. Hope. Itton. Kerry. Kershope. Kielder. King's Forest (The). |
| 134 85 3 86 7 5 — | 87 8 3 32 13 11 | | 10 48 64 1 7 61 4 — | | 9 21 | 20 4 6 90 3 - 352 | 49 7 5 - 18 8 - - | 193 247 84 98 168 90 30 352 300 | Laughton. Llanover. Llantrisant. Lydford. Lyminge. Margam. Mathrafal. Micheldever. Mortimer. |
| 3 9 60 | 168 136 | 25 12 | 459 63 | = | _2 | I 5 | 9 40 | 703 316 | Myherin. Mynydd Ddu. |
| 120 17 289 5 138 174 118 751 5 153 63 40 111 223 235 336 4 | 6 1 - 4 18 13 1 209 3 18 9 1 | 7 — 10 III — — — — — — — — — — — — — — — — — | 119 6 10 7 146 624 3 528 39 43 49 — — — — 23 — 7 200 | 89 27 ——————————————————————————————————— | 2 18 6 8 - | 14 3 17 | 5 5 7 7 — 2 7 25 — 6 2 19 — 1 3 2 12 — — | 362 56 309 27 182 777 205 912 793 703 221 83 108 41 114 248 258 384 204 | New Forest.* Parkhurst.* Pembrey. Quantocks. Radnor. Redesdale. Rendlesham. Rheola. Ringwood. Rockingham. Rosedale. Rothbury. Salcey.* Selby. Sherwood. Slaley. Swaffham. Swanton. Tarenig. |
| 2,795 | 62 | 223 | - | 206 | 8 | 22 | 89 | 3,405 | Thetford Chase |
| 16 41 - 486 - | 13 40 12 — | I 10 I | 34 21 — 81 — | 35 — — — | 8 3 1 — — 10 | 13 7 1 90 198 | 5 - 21 - 32 | 73 159 30 590 90 240 | Thornthwaite. Tintern.* Walcot. Wareham. Westbury. West Woods. |

Crown woods.

| | | I | Area plan | ted (acres |). | |
|---|----------------|-------------------|----------------|-------------------|----------------|-------------------|
| Forest. | Affor | ested. | Re-affo | rested. | To | tal. |
| | Coni- fers. | Broad- leaved. | Coni- fers. | Broad- leaved. | Coni- fers. | Broad- leaved. |
| Wilsey Down, Cornwall Wyre, Worcester Yardley Chase, Bedford and Northants. | | | 22 16 | | 51 22 16 | |
| Total | 8,792 | 630 | 1,266 | 1,204 | 10,058 | 1,834 |
| By direct sowing (included above) | 3 | 36 | | 35 | 3 | 71 |

| | | | Ple | antations | . Yea | r ended |
|---------------------------|-------|----------|------------|-----------|--------------|----------------|
| Achaglachgach, Argyll | 56 | <u> </u> | | | 56 | |
| Achnashellach, Ross | 1 - | ١ | l | | | |
| Ae, Forest of, Dumfries | م ا | | l | | 188 | |
| Alltcailleach, Aberdeen | l o- | l | 69 | | 150 | l _ |
| Ardgartan, Argyll | 1 - | l — | | | 276 | l _ |
| Auchenroddan, Dumfries | 1 ' - | l | l | | 26 | ! |
| Balblair, Sutherland | 1 | l | 52 | l l | 52 | - |
| Barcaldine, Argyll | 1 | | <u></u> | | 153 | <u> </u> |
| Benmore, Argyll | 1 | 1 | l | | 119 | ı |
| Bennan, Kirkcudbright | | | l | | 102 | |
| 70: (m) \ A1 1 | 1 | | 200 | | 200 | |
| man i (i m //) | l -o | | 200 | _ | 98 | |
| Tric 1 TZ: | 1 - | _ | | | | |
| | 1 | ! — | 30 | 33 | 30 | 33 |
| Borgie, Sutherland | | | - | . – . | | _ |
| Carden, Fife | 1 20 | - | _ | . – 1 | 30 68 | _ |
| Changue, Ayr | | . – | | 1 — 1 | | 1 — |
| Clashindarroch, Aberdeen | 1 00 | - | 64 | - | 449 | _ |
| Clunes, Inverness | , , , | <u> </u> | _ | | 75 | |
| Craig-nan-Eun, Inverness | | I — | _ | - | 4 | - |
| Culbin, Moray and Nairn | | - | - | - | | |
| Culloden, Inverness | | - | i — | - | – _ | _ |
| Dalbeattie, Kirkcudbright | 116 | . – | _ | - | 116 | _ |
| Deer, Aberdeen | | l — | 90 | 1 — 1 | 90 | - |
| Devilla, Fife | 27 | i — | 24 | | 51 | _ |
| Dornoch, Sutherland | 1 | _ | <u> </u> | 1 — | - | i — |
| Drummond Hill, Perth | 23 | - | 53 | | 76 | _ |
| Drumtochty, Kincardine | | I — | 108 | - | 108 | _ |
| Durris, Kincardine | 94 | ! — | 1 — | - | 94 | _ |
| Edensmuir, Fife | | 1 — | 9 | | II | |
| Edgarhope, Berwick | 48 | <u> </u> | | | 48 | l — |
| Eilanreach, Inverness | l — | | 1 — | _ · | | 1 — |
| Fearnoch, Argyll | 78 | 2 | <u> </u> | - | 78 | 2 |
| Findon, Ross | | · | 48 | 1 — 1 | 48 | |
| Fiunary, Argyll | 246 | _ | l <u>-</u> | | 246 | _ _ |
| Fleet, Kirkcudbright | ۰ | 73 | 7 | 30 | 56 | 103 |
| Garadhban, Stirling | 1 | <u> </u> | 50 | 3 | 77 | 3 |
| Glenbranter, Argyll | 1 | l — | | | 103 | |
| Glenbrittle, Isle of Skye | 1 | | · | | 102 | [<u>—</u> |
| Glenduror, Argyll | l cc | l — | l | l i | 66 | |
| Glenfinart, Argyll | lo | l — | l — | _ | 138 | |
| Glengarry, Inverness | 1 7.4 | 1 — | 153 | | 196 | |
| Glenhurich, Argyll | 1 | 2 | 1 -33 | | 195 | 2 |
| Glenloy, Inverness | 1 2 | ī | · | _ | 149 | 1 |
| CICHION, INVELNESS | i *†7 | , - | 1 | . — | *49 | |

September, 1936—England and Wales—contd.

| | Species planted, including beating-up (thousands). | | | | | | | | | | |
|------------------------------------|--|-----------------|------------------------------------|-------|-------|----------------|--------------|-------------------|---|--|--|
| Scots and Corsican Pines. | Eur. and Jap. Larches. | Douglas Fir. | Norway and Sitka Spruces. | Oak. | Ash. | Beech. | Others | Total. | Forest. | | |
| | 2 97 102 | | 119 28 6 | | 6 | 4 ^I | 1 8 16 | 122 198 629 | Wilsey Down. Wyre. Yardley Chase. | | |
| 10,865 | 2,886 | 1,073 | 11,844 | 2,694 | 343 | 1,858 | 1,367 | 32,930 | Total. | | |

30th September, 1936—Scotland.

| | | | | | | 1 | 1 | | |
|----------|----------|-------------|------------|--------------|----------|--------------|------------|------------|--------------------------|
| _ | 8 | 13 | 78 | _ | _ | _ | 2 | 101 | Achaglachgach. |
| — | l ı | | ' 8 | | | _ | 11 | 20 | Achnashellach. |
| 3 | 4 | _ | 346 | | | 1 | 5 | . 359 | Ae, Forest of. |
| 237 | 43 | Ξ | 17 | | | _ | 5 | 302 | Alltcailleach. |
| 64 | 25 | 7 | 433 | | | | 35 | 564 | Ardgartan. |
| 54 | | ′ | 12 | _ | | 1 | | 67 | Auchenroddan, |
| 70 | 34 | | 9 | | _ | 1 | 6 | 120 | Balblair. |
| 73 | 16 | 2 | 183 | _ | | | 38 | 312 | Barcaldine. |
| 7 | 51 | | 317 | | - | _ | 50 | 425 | Benmore. |
| 15 | <u> </u> | | 205 | | | - i | ı <u> </u> | 220 | Bennan. |
| 46 | 21 | <u> </u> | 308 | | | 4 | 8 | 387 | Bin (The). |
| <u>-</u> | -69 | | 96 | _ | _ | ` | 65 | 230 | Blackcraig. |
| 16 | 5 | | 30 | _ | 2 | 73 | 12 | 138 | Blairadam. |
| <u> </u> | 5 | _ | 19 | | _ [| | 17 | 41 | Borgie. |
| 19 | - | _ | 44 | _ | _ | 1 | | 64 | Carden. |
| l — | 26 | | 103 | _ | | | <u>.</u> | 129 | Changue. |
| 146 | 485 | | 174 | | l — | 3 | 29 | 837 | Clashindarroch. |
| 40 | 11 | | 123 | . — | - 1 | 4 | 9 | 187 | Clunes. |
| 7 | j | <u> </u> | 20 | · — | <u> </u> | - | _ | 27 | Craig-nan-Eun. |
| 217 | 1 | | l — | | | _ | 49 | 267 | Culbin. |
| 5 | 3 | <u> </u> | 2 | — | | I | | 11 | Culloden. |
| 24 | 39 | — | 193 | - | l — | — | — | 256 | Dalbeattie. |
| 13 | 4 | — | 233 | _ | _ | l — | 3 | 253 | Deer. |
| 88 | 19 | - | 5 | — | _ | - | | 112 | Devilla. |
| - | - | i — | 2 | — | _ | _ | 5 | 7 | Dornoch. |
| 30 | 59 | <u> </u> | 40 | <u> </u> | l. — | 2 | <u> </u> | 131 | Drummond Hill. |
| 18 | 84 | | 49 | i — | | 2 | 24 | 177 | Drumtochty, |
| - | 30 | | 125 | — | - | I | 1 | 157 | Durris. |
| 14 | | . — | 9 | I — | | — | _ | 23 | Edensmuir. |
| 49 | 59 | 1 — | | | _ | | | 108 | Edgarhope. |
| 4 | | | 8 | | _ | 3 | I | 16 | Eilanreach. Fearnoch. |
| 30 | | l — ,. | 100 | _ | _ | | 4 | 134 120 | Findon. |
| 106 6 | 8 | _ | I | <u> </u> | - | I 2 | 4 | | Fiunary. |
| - | 82 | _ | 437 | | | 1 1 | 9 | 536 365 | Flundry. |
| I | 92 | | 14 | 157 | 56 | * | 44 | | Garadhban. |
| 34 | 19 | . 3 | 81 | _ | - | ! | 14 | 151 235 | Glenbranter. |
| 22 | | _ | 217 | | - | 1 = | 13 | 235 | Glenbrittle. |
| 23 8 | 20 26 | - | 164 | | | | 20 | 149 | Glenduror. |
| 17 | 38 | -, | 95 | | | | 20 | 243 | Glenfinart. |
| 5 | | 5 12 | 1 | | | 3 | 21 | 397 | Glengarry. |
| 30 | 23 | 12 | 333 321 | | | _3 | 5 | 385 | Glenhurich. |
| 16 | 29 | | 267 | _ | | | 8 | 293 | Glenloy. |
| | | | 1 20/ | • | <u> </u> | <u> </u> | <u> </u> | · | |

| | | A | rea plant | ted (acres) | | |
|--------------------------------------|----------------|-------------------|----------------|-------------------|----------------|-------------------|
| Forest. | Affor | ested. | Re-affo | orested. | То | tal. |
| | Coni- fers. | Broad- leaved. | Coni- fers. | Broad- leaved. | Coni- fers. | Broad- leaved. |
| Glen Righ, Inverness Glenshiel, Ross | | _ | _ | _ | _ | _ |
| Glentress, Peebles | 212 | _ | _ | l 1 | 212 | 1 |
| Glenurquhart, Inverness | 4 | _ | | l | 4 | |
| Greskine, Dumfries | 16 | 3 | | l — | 16 | 3 |
| Inchnacardoch, Inverness | 5 | _ | _ | l — | 5 | |
| Inglismaldie, Kincardine | | - | 51 | l — | 51 | |
| Inverinan, Argyll | 179 | r | _ | l — | 179 | I |
| Inverinate, Ross | 3 | - | | - | 3 | — |
| Inverliever, Argyll* | | | 148 | — | 148 | _ |
| Kemnay, Aberdeen | 6 | - | _ | — | 6 | - |
| Kessock, Ross | | - | _ | — | | |
| Kilsture, Wigtown | <u> </u> | 1 | 10 | 34 | 10 | 34 |
| Kinfauns, Perth | 8 | - | | — | 8 | _ |
| Kirkhill, Aberdeen | _ | - <u>.</u> | | — | | |
| Kirroughtree, Kirkcudbright | 227 | 8 | | — | 227 | 8 |
| Knapdale, Argyll | 322 | 5 | <u> </u> | - | 322 | 5 |
| Lael, Ross | 113 | - | . | - | 113 | _ |
| Lennox Castle, Stirling | 49 | l —, I | _ | — | 49 | |
| Loch Ard, Perth Longart, Ross | 607 | 5 | _ | | 607 | 5 |
| Longart, Ross | 62 | | 45 | | | |
| Monaughty, Moray | | | 45 | _ | 45 | |
| Montreathmont, Angus | 53 | | <u> </u> | l· | 53 | |
| Nevis, Inverness | 207 | 4 | _ | l <u> </u> | 207 | 4 |
| Newcastleton, Roxburgh | 174 | _ | _ | | 174 | |
| Newtyle, Moray | | _ | 50 | l — · | 50 | _ |
| North Strome, Ross | 13 | _ | | l <u>—</u> | 13 | _ |
| Ordiequish, Moray | l _ ~ | | _ | l — | | _ |
| Port Clair, Inverness | 64 | | _ | | 64 | |
| Queen's Forest (The), Inverness† | — · | - | _ | - | | _ |
| Ratagan, Inverness and Ross | 5 | | | _ | 5 | _ |
| Roseisle, Moray | 151 | | _ | | 151 | _ |
| Salen, Argyll | 90 | _ | _ | | 90 | |
| Scootmore, Moray | 103 | - | 63 | — | 166 | _ |
| Slattadale, Ross | | — | _ | - | _ | _ |
| South Laggan, Inverness | 6 | | | - | 6 | — |
| South Strome, Ross | 77 | 1 1 | | — | 77 | r |
| Strathyre, Perth! | 416 | 2 | _ | | 416 | 2 |
| Teindland, Moray | - | - | 22 | [— | . 22 | - |
| Tentsmuir, Fife | 87 | - | _ | - | 87 | - |
| Whitehaugh, Aberdeen | 75 | | | | 75 | |
| Total | 6,501 | 108 | 1,346 | 101 | 7,847 | 209 |
| By direct sowing (included above) | _ | 18 | | 5 | | 23 |
| | | <u> </u> | | <u> </u> | | |

| Plantations. | Year | ended |
|--------------|------|-------|
|--------------|------|-------|

| England a | and Wales | • | | 8,792 6,501 | 630 108 | 1,266 1,346 | 1,204 101 | 10,058 7,847 | 1,834 209 |
|-----------|-----------|-----|-----|----------------|-----------------|----------------|--------------|-----------------|--------------|
| | Total | ••• | ••• | 15,293 | 73 ⁸ | 2,612 | 1,305 | 17,905 | 2,043 |

^{*} Former Crown wood.

[†] Formerly known

| Scots and Corsican Pines. | Eur. and Jap. Larches. | Douglas Fir. | Norway and Sitka Spruces. | Oak. | Ash. | Beech. | Others | Total. | Forest. |
|------------------------------------|---|-----------------|--|------|------|--------|--|--|--|
| 12 | 184 4 1 9 10 31 11 12 12 121 11 89 333 17 25 12 12 12 12 12 12 12 12 12 12 12 12 12 | 2 | 20 35 124 31 20 15 64 280 11 1 8 20 1 1 1 8 20 1 1 1 1 8 20 1 1 1 1 1 1 1 1 1 1 1 1 1 | 65 | | 3 | 1 10 4 17 11 14 14 2 7 7 9 9 14 33 10 8 4 1 3 18 8 2 12 1 3 18 9 5 5 24 4 4 3 2 17 40 50 | 33 45 468 58 45 96 307 33 248 44 9 116 20 508 592 232 9 11,274 117 80 10 10 10 10 10 10 10 10 10 10 10 10 10 | Glen Righ. Glenshiel. Glenstress. Glenurquhart. Greskine. Inchnacardoch. Inglismaldie. Inverinan. Inverinate. Inverliever.* Kemnay. Kessock. Kilsture. Kinfauns. Kirkhill. Kirroughtree. Knapdale. Lael. Lennox Castle. Longart. Midmar. Monaughty. Montreathmont. Nevis. Newcastleton. Newtyle. North Strome. Ordiequish. Port Clair. Queen's Forest (The).† Ratagan. Roseisle. Salen. Scootmore. Slattadale. South Laggan. South Strome. Strathyre.‡ Teindland. Tentsmuir. Whitehaugh. |
| 3,384 | 2,627 | 132 | 10,189 | 222 | 88 | 148 | 982 | 17,772 | Total. |

| 30th September, 193 | 6—Summary. |
|---------------------|------------|
|---------------------|------------|

| 10,865 3,384 | 2,886 2,627 | 1,073 132 | 11,844 10,189 | 2,694 222 | 343 88 | 1,858 148 | | 32,930 17,772 | England &Wales. Scotland. |
|-----------------|----------------|--------------|------------------|--------------|-----------|--------------|-------|------------------|------------------------------|
| 14,249 | 5,513 | 1,205 | 22,033 | 2,916 | 431 | 2,006 | 2,349 | 50,702 | Total. |

as Glenmore.

[‡] Formerly known as Tulloch.

Cost of Planting.—The outlay per acre on labour and material on the areas planted between 1919 and 1936 was as follows:—

| | \mathcal{L} s. d. |
|-------------------|---------------------|
| England and Wales | 9 11 9 |
| Scotland | 9 16 10 |
| Great Britain | 9 13 8 |

These figures cover the cost of preparation of ground, drainage, fencing, plants, planting, replacement of failures and weeding, but do not include expenditure on forest protection, supervision and overhead charges.

Nurseries.—The total area under nurseries at 30th September, 1936, was 946 acres stocked with 216 million seedlings and 75 million transplants. Comparative figures for the three years 1934-36 are given in the following table:—

Nurseries.

| Year | 1 | | : | Seed Sown (lb.). | | | Stock of Plants at 30th September (thousands). | | | | | | |
|------------------------------|--------------------|-----|------------------|---------------------|---------|------------------|--|--------|------------------|-------------------|---------|------------------|--|
| end- ing 30th Sept. | Countr | y. | | | | | ransplant | s. | Seedlings. | | | Area (Acres). | |
| Зері. | | | Conifer- ous. | Broad- leaved. | Total. | Conifer- ous. | Broad- leaved. | Total. | Conifer- ous. | Broad- leaved. | Total. | | |
| 1936 | England | and | 5,892 | 65,943 | 71,835 | 40,557 | 8,170 | 48,727 | 121,661 | 17,714 | 139,375 | 600 | |
| | Wales. Scotland | | 4,732 | 8,457 | 13,189 | 25,692 | 789 | 26,481 | 74,929 | 1,791 | 76,720 | 346 | |
| | Total | | 10,624 | 74,400 | 85,024 | 66,249 | 8,959 | 75,208 | 196,590 | 19,505 | 216,095 | 946 | |
| 1935 | England Wales. | and | 4,414 | 54,046 | 58,460 | 42,400 | 7,026 | 49,426 | 66,660 | 11,021 | 77,681 | 559 | |
| | Scotland | | 3,653 | 3,436 | 7,089 | 23,726 | 831 | 24,557 | 65,061 | 1,554 | 66,615 | 338 | |
| | Total | | 8,067 | 57,482 | 65,549 | 66,126 | 7,857 | 73,983 | 131,721 | 12,575 | 144,296 | 897 | |
| 1934 | England | and | 5,727 | 147,382 | 153,109 | 48,675 | 4,314 | 52,989 | 71,715 | 17,322 | 89,037 | 491 | |
| | Wales. Scotland | | 3,067 | 3,523 | 6,590 | 32,759 | 472 | 33,231 | 50,494 | 1,389 | 51,883 | 311 | |
| | Total | | 8,794 | 150,905 | 159,699 | 81,434 | 4,786 | 86,220 | 122,209 | 18,711 | 140,920 | 802 | |

Details showing by Divisions the utilisation of nursery area are as follows:—

| Utilisation | of | Nursery | Area. |
|-------------|----|---------|-------|
|-------------|----|---------|-------|

| Division. | Seedbeds. | Lines. | Fallow and Green Crops. | Other. | Total. |
|-----------------------------------|------------------------------------|---|--|--|---|
| I II III IV VI VII | 30 12·8 15·3 39·1 15·4 | Acres. 46·7 28·1 28·2 21·9 67·5 9·5 12·2 | Acres. 31 · 6 12 · 1 58 · 5 9 · 4 16 · 4 9 · 6 8 · 8 | Acres. 19·8 12·2 10·4 7·7 18 2·7 | Acres. 136·9 82·4 109·9 54·3 141 37·2 38 |
| England and Wales | | 214.1 | 146.4 | 75.8 | 599.7 |
| N N.E S.W | 26.2 | 21·8 38·8 46·2 | 22·7 14·5 47·5 | 15·8 24·2 9·2 | 82·7 103·7 159·4 |
| Scotland | 105.1 | 106.8 | 84.7 | 49.2 | 345.8 |
| Total | 268.5 | 320.9 | 231.1 | 125 | 945.5 |

Seed Supply.—The 1935 crop of Sitka spruce was abundant in Canada but disappointing in the United States of America. Only small supplies of Douglas fir seed were available. The Japanese larch crop failed and, on the Continent, very little seed of European larch was obtainable. Corsican pine and Norway spruce yielded good crops. Oak was again reported to be plentiful but there was a shortage of beech.

As regards home-collected seed, in England and Wales there was a good supply of Scots pine and sufficient seed of oak, chestnut and sycamore. The beech crop, although moderate, did not yield enough seed to meet requirements and ash was scarce. In Scotland, Scots pine and European larch seeds were plentiful but the supply of oak and beech was inadequate.

The quantity of seed sold during the year amounted to 534 lb.

The Commissioners have to express their thanks for gifts of seed from the Forest Authorities of Argentina, Canada, Chile, Germany, New Zealand, Portugal and Rumania.

Forest Fires.—Possibly in consequence of the higher rainfall during the year there was some diminution in the number of forest fires, which amounted to 407 compared with 487 in 1935

and 500 in 1934. The damage was, however, greater, the value being assessed at £20,170 compared with £4,090 in 1935 and £12,166 in 1934. The chief damage in 1936 was done in one week in February and, moreover, occurred in parts of the country, such as Snowdonia and Nevis, where the normal rainfall is very high. Comparative figures for the five years 1932 to 1936 are given below.

| | 1932. | 1933. | 1934. | 1935. | 1936. |
|--------------------|--------|---------|-----------------|--------|---------|
| Number of fires | 315 | 621 | 500 | 487 | 407 |
| Area burnt (acres) | 262 | 1,297 | 74 ¹ | 270 | 1,563 |
| Damage valued at | £2,813 | £19,040 | £12,166 | £4,090 | £20,170 |

In addition three fires caused damage to buildings amounting to £2.

Claims amounting to £2,187 have been lodged by the Commissioners in respect of the damage done during the year.

The following table gives the causes of fires in 1936 and it will be seen that 174 (43 per cent.) originated in sparks from railway engines and 51 (12 per cent.) were caused by the general public. Incendiarism apart, carelessness is the factor most difficult to guard against.

| Origin. | Number of fires. | Percentage of total number |
|-------------------------|------------------|----------------------------|
| Railways | 174 | 43 |
| General public: | | • |
| From public roads, etc. | 29 | 7 |
| Other | 22 | 5 |
| Adjoining land | 39 | 10 |
| Road engines | 13 | 3 |
| Incendiarism | 8 | 2 |
| Commission's employees | 5 | I |
| Other | 3 | I |
| Unknown | 114 | 28 |
| | , | |
| Totals | 407 | 100 |
| | | |

Subhead F—Advances for Afforestation Purposes. Expenditure, £15,872.

Grants to private individuals and local authorities for planting amounted to £10,923, advances in respect of a proceeds-sharing scheme to £1,738 and overhead and supervisory charges to £3,211.

The grants were as follows:—

- (1) Conifers.—Up to £2 per acre planted and thereafter maintained as a forest crop.
- (2) Hardwoods.—For every acre planted with approved species and thereafter maintained as an area for the production of hardwoods:—up to £4 per acre for oak or ash; £3 per acre for beech, sycamore or chestnut, and £2 per acre for other approved species.

The number of schemes in respect of which grants were paid during the year and the areas dealt with are stated below:—

| _ | England and Wales. | Scotland. | Total. |
|--------------------------------------|------------------------|-----------------------|------------------------|
| Number of Schemes | 228 | 108 | 336 |
| Planting conifers Planting hardwoods | Acres. 2,294 786 | Acres. 2,039 26 | Acres. 4,333 812 |

The area planted under the proceeds-sharing scheme was 216 acres.

Subhead G-Education. Expenditure, £9,074.

Details of expenditure are given in Table G.

Table G.—Education.

| | | Expenditure (Table IIa, Column 4). | | | | | | | |
|--------------------------------|--|---|------------|--|------------------------------------|------------------------------------|----------------|---------|--------------------------|
| Year ending 30th September. | Superior | 1 | Apprentice | es' Schools | 5. | | | Income. | NET EXPEN- DITURE. |
| | Super- vision and Over- head Charges. | Salaries and Expenses of In- structors. | and | Allow- ances to Appren- tices. | Stores, Fuel, Light, etc. | Grants to Institu- tions. | Total. | | |
| First decade : | £ | £ | £ | £ | £ | £ | £ | £ | £ |
| 1920-29 | 13,125 | 15,401 | 6,195 | 21,709 | 14,192 | 30,691 | 101,313 | 2,427 | 98,886 |
| Second decade: | | | | | | İ | | j . | |
| 1930 | 900 | 820 | 838 | 2,203 | 1,215 | 4,232 | 10,208 | 263 | 9,945 |
| 1931 1932 | 880 | 759 | 1,949 | 2,143 | 1,450 | 4,230 | 11,411 | 64 | 11,347 8,879 |
| Togg | 789 1,010 | 882 980 | 259 188 | 1,982 | 968 719 | 4,004 3,856 | 8,884 8,226 | 38 | 8,188 |
| 1934 | 1,148 | 1,072 | 270 | 1,473 1,163 | 623 | 3,782 | 8,058 | 34 | 8,024 |
| 1935 | 976 | 1,142 | 205 | 1,177 | 634 | 3,879 | 8,013 | 38 | 7,975 |
| 1936 | 1,407 | 1,220 | 374 | 1,383 | 760 | 3,930 | 9,074 | | 9,074 |
| Total Percentage | 20,235 | 22,276 13*5 | 10,278 | 33,233 20·1 | 20,561 | 58,604 35·5 | 165,187 100 | 2,869 | 162,318 |

Apprentices' Schools: Expenditure, £3,737.—Forty-one forest apprentices underwent courses of instruction at Parkend (Forest of Dean) and Benmore (Argyllshire). Of those who completed the two years' course 20 were granted certificates of proficiency.

Grants to Universities, Colleges, etc.: Expenditure, £1,930.—Grants were made during the year to the following:—Oxford University; Cambridge University; University College of North Wales, Bangor; Armstrong College, Newcastle-on-Tyne; Aberdeen University; Edinburgh and East of Scotland College of Agriculture; Royal Scotlish Forestry Society.

The number of students studying forestry at the Universities was 71; 26 forestry degrees were granted, and three candidates obtained diplomas.

Imperial Forestry Institute: Expenditure, £2,000.—The annual grant to the Imperial Forestry Institute from the Forestry Fund was continued. Eighteen students attended for the whole or part of the year, comprising 8 post-graduate probationers from the Colonial Services, 9 forest officers on leave (India 2, Colonial Services 7) and I private student.

Subhead H—Research and Experiment. Expenditure: Gross, £14,132; Net, £13,728.

Details of expenditure are given in Table H.

Table H.—Research and Experiment.

| | E | XPENDITURE | | | | | |
|--------------------------------|---|------------------------------|----------------------------|------------------------------------|---------|---------|--------------------------|
| Year ending 30th September. | Superior Super- vision and Overhead Charges. | Salaries and Expenses. | Labour, Stores, etc. | Grants to Institu- tions. | Total. | Income. | NET Expendi- ture. |
| First decade : | £ | £ | £ | £ | £ | £ | £ |
| 1920-29 Second decade : | 13,699 | 38,458 | 20,230 | 7,263 | 79,650 | 1,058 | 78,592 |
| 1930 | 1,316 | 5,079 | 4,529 | 1,414 | 12,338 | 105 | 12,233 |
| 1931 | 1,292 | 5,323 | 4,588 | 1,395 | 12,598 | 278 | 12,320 |
| 1932 | 1,149 | 5,329 | 4,452 | 1,396 | 12,326 | 42 | 12,284 |
| 1933 | 1,233 | 5,294 | 4,009 | 1,646 | 12,182 | 78 | 12,104 |
| 1934 | 1,181 | 4,911 | 3,804 | 1,405 | 11,301 | 420 | 10,881 |
| 1935 | 1,297 | 5,012 | 4,265 | 3,165 | 13,739 | 143 | 13,596 |
| 1936 | 1,444 | 5,416 | 4,123 | 3,149 | 14,132 | 404 | 13,728 |
| Total | 22,611 | 74,822 | 50,000 | 20,833 | 168,266 | 2,528 | 165,738 |
| Percentage | 13.4 | 44.5 | 29.7 | 12.4 | 100 | 1 | 1 |

Production.—Fifty sample plots were remeasured during the year; of these 30 were in England and Wales and 20 in Scotland. One new plot was established bringing the total number at the end of the year up to 212.

Nursery and Plantation Experiments.—Nursery experiments have included stratification of seed, manurial treatment of nursery soils including the testing of various forms of dried peat, season of sowing, and the raising of walnut and poplar.

A promising experimental plantation at a high elevation near Beddgelert was badly damaged by an avalanche but sufficient plants remain to test the possibility of planting up to 1,800 ft. in this locality. Plots established during the year dealt with problems such as:—intensity of draining on peaty ground, comparison of basic slag with mineral phosphate, treatment of peat-covered knolls in the west of Scotland, establishment of walnut, hoeing of ash and sycamore. An investigation was conducted on certain plantations formed in industrial areas in South Wales and the Midlands; this was with special reference to the question of smoke damage. Experiments have also been carried out on the method and height of pruning.

Entomology and Mycology.—Useful progress was made with the pine shoot beetle investigation, in collaboration with the Imperial Institute of Entomology. The work on chafer control was also continued: this is proving a difficult problem, a solution to which is still somewhat distant.

The discovery, by Dr. A. E. Cameron of Edinburgh University, of the galls of *Adelges* (*Chermes*) cooleyi on Sitka spruce in Scotland has led to an investigation which has cleared up some of the points in the life-history of this insect. So far the gall form has not been found in England or Wales where the insect continues to develop on the Douglas fir alone. It does not appear likely that this chermes will be a serious pest on Sitka spruce.

The progress of the elm disease has been kept under observation and contact maintained with continental centres investigating the disease. A supposedly immune strain of elm, which has been raised in Holland, was imported for inoculation work and for propagation.

Progress has been made with a survey of coniferous plantations to determine the incidence of heart-rot.

Botany and Soils.—Dr. M. C. Rayner has made further progress with investigations on the effect of organic composts upon the growth of seedlings at Allerston and Wareham Forests. The work is throwing light on the problem of tree nutrition and tends to emphasise the importance of biological as distinct from purely chemical factors.

Dr. E. V. Laing of Aberdeen University has been studying the root development of European larch, while his colleague Dr. G. K. Fraser is continuing his researches on moorland humus types in eastern Scotland. The soils over a large part of the Forests of Clashindarroch and The Bin have been surveyed by Dr. A. Muir of the Macaulay Institute for Soil Research at Aberdeen.

Voles.—Assistance has been given to the Bureau of Animal Population, Oxford University, for an investigation on the ecology and diseases of the field vole.

Advisory Committee on Forest Research.—The Committee held its ninth meeting at Fort Augustus in Inverness-shire; plantation experiments at Glen Righ and Inchnacardoch Forests were inspected.

Utilisation.—The Forest Products Research Laboratory have collaborated with the Commissioners in investigations on pruning and on the extraction and utilisation of thinnings.

Subhead J—Agency and Advisory Services. Expenditure: Gross, £1,180; Net, £1,077.

No direct expenditure was incurred under this head. The sum of £1,180 is an apportionment of overhead and supervisory charges in respect of the time of various officers of the Commission who have been engaged in answering enquiries and advising woodland owners as to the treatment of their woods.

Subhead K-Special Services. Expenditure, £5,971.

Details of expenditure are given in Table K.

Table K.—Special Services.

| | mn 7). | _ | | | | | | |
|--|---|---|-------------------------------------|---|--------------------------------------|---|------------------------|---|
| Year ending 30th September. | Superior Supervision and Overhead Charges. | Consulta- tive Com- mittees' Expenses. | Publi- cations. | Special Enquiries. | Relief of Un- employ- ment. | Total. | In- come. | NET Expen- diture. |
| Pi-st decide | £ | £ | £ | £ | £ | £ | £ | £ |
| First decade: | 26,585 | 523 | 1,995 | 12,368 | 19,828 | 61,299 | 347 | 60,952 |
| Second decade: 1930 1931 1932 1933 1934 1935 1936 1937 | 1,822 1,478 1,684 1,598 1,591 3,750 2,869 | 60 32 25 7 1 10 7 | 68 126 87 28 116 196 | 147 255 561 466 745 1,056 3,091 | | 2,097 1,891 2,357 2,099 2,453 5,012 5,971 | 8 2 -6 4 - | 2,097 1,883 2,355 2,099 2,447 5,008 5,971 |
| Total Percentage | 41,377 49·8 | 665 o·8 | 2,620 3·1 | 18,689 22·5 | 19,828 23·8 | 83,179 100 | 367 | 82#812 |

Publications.—The following publications were issued during the year:—Bulletin No. 16 (Studies on the Pine Shoot Moth); Bulletin No. 17 (The Cultivation of the Cricket Bat Willow); Sixteenth Annual Report of the Forestry Commissioners (being the report for the year ending 30th September, 1935); Report on the Demand for Timber in Wood-Turning in Great Britain (Utilisation Series No. 3), and Afforestation in the Lake District (report by the Joint Informal Committee of the Forestry Commission and the Council for the Preservation of Rural England). In addition, Leaflets Nos. 9 (Forest Fires) and 21 (Leaf-cast of Larch) were revised and reprinted.

Exhibits at Agricultural Shows.—Forestry exhibits were sent by the Commissioners to the shows of the Bath and West Society at Neath and the Highland and Agricultural Society at Melrose.

International Forestry Congress, 1936.—The Forestry Commission was represented at the second International Forestry Congress held at Budapest from 10th to 14th September, 1936.

International Union of Forest Research Organisations.—The ninth Congress of the International Union was held in Hungary in August, 1936, when representatives of the Forestry Commission attended.

Consultative Committees.—The advice of the English and Welsh Committees was obtained as to considerations to be kept in view as regards forestry and timber utilisation, in drawing up regional planning schemes. As a result a few alterations were made in the Ministry of Health Model Clauses for use in the preparation of schemes.

The Welsh Committee met once during the year and the English Committee twice. Colonel L. Ropner retired from the latter Committee on appointment as Forestry Commissioner.

Subhead L—Forest Workers' Holdings. Expenditure, £30,073; Income, £18,064.

Total expenditure was £8,388 greater than in 1935, the increase being mainly in respect of purchase of land and buildings. Details are given in Table L.

During the year further holdings were completed, raising the number from 1,253 to 1,268. The average cost of establishing holdings is £493, of which land accounts for £70, and cost of buildings, drainage, water supply, etc., £423.

Table L.—Forest Workers' Holdings.

| II). | NET EXPEN- Total, DITURE. | | (11) (12) | <i>y y</i> | 27,515 362,368 | 12,206 96,369 | 13,583 95,437 | 16,811 39,546 | 17,228 2,209 | 17,372 4,045 | 17,551 4,134 | 18,064 12,009 | 140,330 616,117 100 |
|-----------------------------------|---------------------------------|----------------------|-----------|----------------|----------------|----------------|---------------|---------------|--------------|--------------|--------------|---------------|------------------------|
| INCOME (Table IIa, Column 11) | | | _ | | 1,254 27 | 87 I2 | 15 13 | 30 I 16 | 83 17 | 71 +6 | 54 17 | 46 x8 | 1,663 140 I.I |
| Table I | Other | - | (or) | J | | | | | | | | | |
| Іисомі | Rents. | | (6) | 3 | 26,261 | 12,119 | 13,568 | 16,781 | 17,145 | 17,278 | 17,497 | 18,018 | 138,667 |
| | Total. | | (8) | ¥ | 389,883 | 108,575 | 109,020 | 56,357 | 19,437 | 21,417 | 21,685 | 30,073 | 756,447 100 |
| - | Miscel- | laneous. | (2) | 3 | 4,120 | 473 | 758 | 1,032 | 937 | 878 | 585 | 1,075 | 9,858 |
| mn 8). | Fencing, Drainage, | etc. | (9) | 7 | 17,561 | 5,902 | 6,713 | 4,511 | 1,004 | 1,238 | 874 | 582 | 38,385 5.1 |
| ble IIa, Colu | | Repairs. | (5) | Ŧ | 3,882 | 2,536 | 3,528 | 969'9 | 3,424 | 2,926 | 4,110 | 4,163 | 31,265 4 I |
| Expenditure (Table IIa, Column 8) | Buildings. | Adapta- tions. | (4) | Υ | 32,302 | 10,932 | 15,435 | 4,352 | 3,166 | 2,285 | 2,502 | 1,145 | 72,119 |
| Expe | | New. | (3) | ¥ | 192,184 | 43,126 | 54,095 | 26,635 | 4,375 | 2,064 | 2,617 | 4,352 | 329,448 43.6 |
| | Purchase and Rent of Land | and Buildings. | (2) | ¥ | 103,940 | 34,410 | 17,437 | 3,974 | (cr.) 1,101* | 4,546 | 4,060 | 10,374 | 177,640 23.5 |
| | Superior Super- vision | Overhead Charges. | (1) | ¥. | 35,894 | 961,11 | 11,054 | 9,157 | 7,632 | 7,480 | 6,937 | 8,382 | 97,732 12.9 |
| | | | | | : | : | : | : | : | ÷ | : | : | :: |
| | Year ending 30th September. | | | First decade . | 1920–29 | Second decade: | 1631 | 1932 | 1933 | 1934 | 1935 | 9861 | Total Percentage |

* Credit entry due to transfer to forestry operations of land and buildings not required for holdings.

The information contained in the following statement indicates the way in which the holdings have been utilised and shows the estimated value of live stock, etc.

| Number of forest workers resident on the holdings | 1,203 | |
|---|---------|--------|
| Total number of residents on the holdings | 4,897 | |
| Average annual rent of house, outbuildings and land | £14 | IOS. |
| Average area (including outrun) | 11.4 | acres. |
| Head of live stock:— | | |
| Horses | 422 | |
| Cows | 1,072 | |
| Other cattle (including calves) | 1,190 | |
| Sheep | 4,975 | |
| Pigs | 1,988 | |
| Poultry | 52,136 | |
| Miscellaneous (including goats) | 1,069 | |
| Estimated value of the live stock | £45,386 | |

Subhead Z-Income, £201,601.

Total income was £14,578 greater than in 1935. Rents and royalties increased by £1,405, sales of forest produce by £9,999 and other receipts by £3,110. Details are given in Table Z.

Table Z.—Income.

| | 1 | Fores | try Operat | Forest Workers' | | | | | |
|--|---|--|--|--|---|--|--|---|--|
| Year ending 30th September. | Sales of Land and Buildings. | Rents and Royalties. | Forest Produce, | Other. | Total. | Workers' Holdings (Rents, etc.). | Miscel- laneous. | Grand Total. | |
| First decade : | £ | £ | £ | £ | £ | £ | £ | £ | |
| 1920-29 Second decade : | 78,784 | 274,091 | 406,594 | 122,639 | 882,108 | 27,515 | 6,936 | 916,559 | |
| 1930 1931 1932 1933 1934 1935 | 2,642 15,568 7,869 4,463 12,258 6,394 5,708 | 65,184 71,930 70,249 75,127 78,120 81,622 83,027 | 63,949 56,768 49,477 47,321 55,893 63,112 73,111 | 16,219 20,802 16,621 11,030 16,861 18,074 21,184 | 147,994 165,068 144,216 137,941 163,132 169,202 183,030 | 12,206 13,583 16,811 17,228 17,372 17,551 18,064 | 406 386 77 170 518 270 507 | 160,606 179,037 161,104 155,339 181,022 187,023 201,601 | |
| Total Percentage | 133,686 6·2 | 799,350 37·3 | 816,225 38·1 | 243,430 II·4 | 1,992,691 93.0 | 140,330 6·6 | 9,270 0·4 | 2,142,291 100 | |

Rents and royalties include £19,545 from the Forest of Dean mines; "other" income includes sales of live stock £11,408 and miscellaneous estate, farm and forest receipts £6,589.

Employment in the Commission's Forests.

The number of forest workers employed in the Commission's forests is stated in the table below:—

| ; | Sumn | ner (Mi | nimum | ı) <i>.</i> | Winter (Maximum). | | | |
|------|-------|---------|-------|-------------|-------------------|--|------|--|
| 1920 | | | | 210 | 1920–21 | | 93 | |
| 1921 | | ••• | | 495 | 1921–22 | | 1,78 | |
| 1922 | | | | 525 | 1922-23 | | 1,77 | |
| 1923 | | | | 88o | 1923-24 | | 2,22 | |
| 1924 | | | | 1,620 | 1924-25 | | 2,65 | |
| 1925 | • • • | | | 1,980 | 1925–26 | | 2,96 | |
| 1926 | | | | 2,335 | 1926-27 | | 3,18 | |
| 1927 | | | | 2,735 | 1927–28 | | 3,49 | |
| 1928 | | | | 2,740 | 1928–29 | | 3,56 | |
| 1929 | | | | 2,640 | 1929-30 | | 3,83 | |
| 1930 | ••• | | | 3,130 | 1930-31 | | 3,85 | |
| 1931 | | | | 2,830 | 1931-32 | | 3,50 | |
| 1932 | | ••• | | 2,720 | 1932-33 | | 3,98 | |
| 1933 | | | | 2,845 | 1933-34 | | 3,73 | |
| 1934 | | | | 3,015 | 1934-35 | | 4,02 | |
| 1935 | | | | 3,280 | 1935–36 | | 4,15 | |
| 1936 | | | | 3,720 | 1936–37 | | 4,56 | |

(Signed)

R. L. Robinson (Chairman).

F. D. ACLAND.

G. L. COURTHOPE. D. R. GRENFELL.

A. Rodger. L. Ropner.

W. R. SMITH.

S. STRANG STEEL.

JOHN SUTHERLAND.

A. G. HERBERT, Secretary, 9, Savile Row, London, W.1.

APPENDIX.

Imports of Timber, Wood Manufactures and Pulp of Wood.

Statistics relating to these imports are given in the following table, the figures in each case being for the calendar year.

The quantity of unmanufactured timber imported during 1936 was 12,013,000 loads, compared with 10,761,000 loads in 1935, an increase of 1,252,000 loads (12 per cent.). The value was £43,569,000 or £8,053,000 (23 per cent.) more than in the previous year. Sawn softwoods and hardwoods rose by 1,108,000 loads (20 per cent.) and 83,000 loads (12 per cent.) respectively, the increase in values being £5,181,000 (30 per cent.) and £992,000 (17 per cent.). Imports of planed and dressed timber were greater by 212,000 loads (21 per cent.), the rise in value amounting to £1,141,000 (28 per cent.), but those of pitprops, 2,315,000 loads valued at £3,509,000, remained practically stationary.

The value of wood manufactures was £7,463,000, an increase of £1,290,000 (21 per cent.) over 1935. Plywood rose by £627,000 (18 per cent.) to £4,127,000 and builders' woodwork by £414,000 (41 per cent.) to £1,429,000.

Imports of pulp of wood at 2,384,000 tons are little altered from those of 1935 but the value was greater at £10,099,000 (10 per cent.).

Imports of Timber, Wood Manufactures and Pulp of Wood.

| • | Q. | uantities | (thousand | s). | 1 | Value (the | ousands). | |
|---|----------|---------------------|--------------|--|---------------------|---------------------|-----------------------|----------------|
| Description. | | Average 1914–18. | 1935. | 1936. | Average 1909–13. | Average 1914–18. | 1935. | 1936. |
| Hewn-hard- | Loads.* | Loads.* | | TIMB: Loads.* | er. | £ | £ | |
| Mahogany Walnut | | | 29 2 | ر 31 | | | 253 18 | 279 |
| Oak | | _ | 2 | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | _ | _ | 20 | |
| Teak | _ | _ | I | \ \ 40 \ | _ | | 18 | 37 |
| Other sorts Hewn-soft (fir, | | | 42 368 | J (| | | 304 | لإ |
| pine, spruce, etc.). Sawn-hard— | 542 | 129 | 300 | 273 | 1,353 | 583 | 535 | 585 |
| Mahogany | <u> </u> | _ | 17 | 22 | - | _ | 257 | 329 |
| Walnut Oak | _ | | 229 | 8 258 | - | _ | 103 | 146 |
| Oak Teak | _ | | 38 | 55 | _ | | 2,0 3 6 672 | 2,300 1,048 |
| Other sorts | _ | _ | 410 | 440 | _ | _ | 2,677 | 2,914 |
| Sawn-soft, other | _ | | 5,558 | 6,666 | · — | _ | 17,380 | 22,561 |
| than planed or dressed. Planed or | | | li | 1 | | | | |
| dressed— | | | 0- | 0- | | | | |
| Hard Soft Other | _ | _ | 81 950 | 81 1,162 | | _ | 535 3,539 | 576 4,639 |
| descriptions— Pitprops | 2,944 | 1,673 | 2,370 | 2,315‡ | 3,510 | 4,425 | 3,608 | 3,509 |
| Staves | 161 | 71 | 61 | 62 | 795 | 648 | 340 | 491 |
| Sleepers | _ | 130 | 270 | 284 | | 602 | 852 | 906 |
| Veneers and | — | | 13 | 13 | - | | 766 | 852 |
| panel wood. | | | | ے ا | | | | 5 |
| Telegraph poles Boxboards | _ | _ | 55 246 | 295 | _ | _ | 217 1,134 | 1,997 |
| Not elsewhere | 6,557† | 3,550† | 13 | [[293] | 21,903† | 24,362† | 252 | 1666. |
| specified. | -,5571 | 3,33-1 | -3 | | ,5-51 | | | |
| Total unmanu- factured timber. | 10,204 | 5,553 | 10,761 | 12,013 | 27,561 | 30,620 | 35,516 | 43,569 |
| | | | W | OOD MANU | FACTURES | | _ | |
| Furniture and cabinet ware. | | - | | | 416 | 115 | 409 | 464 |
| Builders' wood- work (window frames, doors, | _ | _ | - | | 180 | 62 | 1,015 | 1,429 |
| etc.). | | | | | | | | |
| Plywood | _ | | _ | <u> </u> | | _ | 3,500 | 4,127 |
| Domestic wood- | _ | _ | _ | _ | - | _ | 180 | 190 |
| work (bread platters, trays, etc.). | | 1 | | | | | | |
| Tool handles | | _ | _ | _ | _ | _ | 102 | } 1,253 |
| Not elsewhere | - | | _ | - | 2,099 | 1,821 | 967 | \\ \frac{1}{2} |
| specified. | | | | | | | | |
| Total manufac- tured timber. | | | | _ | 2,695 | 1,998 | 6,173 | 7,463 |
| | | | | Pulp of | Wood. | | | |
| | Tons. | Tons. | Tons. | Tons. | 1 | | | |
| Pulp of wood | 859 | 682 | 2,221 | 2,384 | 4,058 | 7,915 | 9,144 | 10,099 |

^{*} Load=50 cu. ft.

[†] These figures apply mainly to sawn softwoods. It is not possible to differentiate according to the various categories enumerated above owing to a change in the Board of Trade classification from 1920 onwards.

[‡] Importers' returns to H.M. Customs and Excise were not rendered on a uniform basis in 1936. In that year a change in the unit was made from loads to fathoms.

