

Ashinukully Plantations - Birkhall Area 40 Acres.

This plantation was formed during the season 1924-25 when from 25 to 30 acres were planted with Scots Pine & L. Lariks (pure).

No costs were kept of the planting or of the erection of the fence.

Unannotated are the costs of this Plantation since 1925. For particulars of plants used in completing the Plantation & filling up blanks see separate annual tabular statements at end of book.

Note. Blackgame & Roe-deer have caused a tremendous death rate in this Plantation.

1925.	Plant obtaining	L6-14-0
1925-26	Cost of planting	40-12-9
1926	" cleaning plants?	
1927	" planting	3-4-4
1927	" plant cleaning	14-3-11
1928	" planting	19-1-10
1928	" cleaning planting	12-3-2
1929	" planting	20-2-9
1929	" plant cleaning } seasons	3-6-6
1929-30	" plants } 1929-30	32-4-6
No planting or plant cleaning done 1930		
1931	Cost of Break up	-18-3

Birkhall Estate Stone Plantation & Little Park (Continued from overleaf) adjoining

Spring 1928
Particulars of Trees planted in filling up blanks caused by deaths

Species	Number	Age	Origin of Seed
Ch.	3250	2yr 2yr	F.C.
S.P.	1400	2yr 2yr	"
S.P.	4800	2-2-1	"
S.P.	3050	2yr 2yr	"
S.P.	210	2-2-1	"
15410			

Spring 1929
Particulars of Trees planted in filling up blanks caused by deaths

Species	Number	Age	Origin of Seed
N.S.	2200	2yr 2yr	L.b.
S.P.	3000	2-2-1	"
Ab. grand.	400	2-1-1	collected from trees at Galmoral
Beech	213	2yr 2yr	Greenhead & Co
5813			

Spring 1930
Particulars of Trees planted in filling up blanks caused by deaths

Species	Number	Age	Origin of Seed
S.P.	8125	2yr 2yr	L.b.
Ch.	13957	2yr 2yr	"
N.S.	6600	2-2-1	"
Ab. grand.	240	2-2-1	Galmoral
Praegering	140	2yr	"
39062			

part page 2

Spring 1931 Particulars of trees planted in filling up blanks caused by deaths & small area near Little Park Wood not pres. planted

Species	Number	Age	Origin of Seed
Ch.	1100	2yr 2yr	Ch.
S.P.	7000	2yr 2yr	Green Castle
8100			

Species	Origin of Seed	Age	Number	Total	Area
S.P.	Ch.	Galm. Nursery	2yr 2yr	3850	
"	"	"	2yr 1yr	14400	
"	"	Birkhall	2yr 1yr	19896	
				38146	56' pure 31
Ch.	Home Seed	collected at T. Black Birkhall New	2yr 1yr	5445	56' pure 42
"	"	"	2yr 1yr	14955	58' mixed
S.P.	Stonehillachie	"	2yr 2yr	18650	20400
"	"	"	2yr 1yr	1864	
"	"	Galm. Nur.	2yr 1yr	9248	56' mixed
				29462	mix of 16
"	"	"	2yr 1yr	12252	56' pure
				12252	56' pure 6
S.P.	Ch.	Birkhall N.	2yr 1yr	300	54'6
M. Ash Smith & Sons	Aburdeen	2yr 1yr	200		12'-15'
Prunus Avonensis	G. Reid & Co.	"	4-5yr	6	
Hy. L.	Lockinch Est.	Castle Kennedy	3yr	7	5'3 5'6
Total of first seasons 1920				101073	58

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Completing & Filling up Spring 1927.

Species	Origin of Seed	Age	Number	Total	Distance	Area
Ch.	L.b.	Birkhall Nursery	2yr 1yr	1350	4,000 5'	
"	"	"	2yr 1yr	32500	34,050 28,620 26'	23
S.P.	Home collected	Stonehillachie	2yr 2yr	4219		
"	Ch.	"	2yr 1yr	200	1,419	
S.P.	Galm. Nur.	2yr 2yr	2800			
"	Galm. Nur.	2yr 2yr	5000	7,800		
S.P.	Birkhall	2yr 2yr	50			
"	"	2yr 2yr	2925	2975	4'	12
Grass	G. Reid	Aburdeen	4yr	6	6	12'
Beech	"	"	2yr only	102	103	12'
Total planted at Stone 1927				49352		25

Plants required for filling up blanks marked in red * 13819 Total

Plants required to complete area left over from previous year = 35,533

Spring 1928 For particulars of plants used in filling up blanks caused by deaths, see opposite

Birkhall Estate
Cost of Plantations of Knock South Plantations
in the narrow strips of plantations between the Knock cottages & the
Aburgeldie Estate March 1923 on the North side of the Main road.
Filled by W. Rattray, Timber Merchant, Perth
Planted Spring 1927

Cost of labour of planting £52. 11. 4
" erecting fence 54. 4. 9
" carting plants etc 2. 19. 6
Cost of plants (supplied from estate nurseries)
catalogue prices for similar plants 118. 5. 6

Cost of Fencing Material
899. light posts 4.6 x (approx) 3' x 2' 5.5 £ 18. 14. 4
30 straining posts 6.6 x 1 1/2 £ 2. 5. 0
6. Gate posts 4' x 2 1/2 12. 0.
18. Bars for gates 15. 0.
making three gates, say 18. 0.
6 1/2 cut No. 4. wire 1 1/2 x 189. 3 3/4 £ 5. 4. 0
2663 yds Netting 3.6 x 1 1/2 x 189. 3 3/4 £ 51. 0. 3
Staples (approx) 4. 0.
Lardiscur 2. dg 6 10/ 1. 0. 0

Cost of cleaning plants 1924 £ 80. 15. 10
1928. Cost of filling up 1928 2. 1. 2
" plants used in filling up 2. 4. 7.
1929 Cost of cutting 2000 2. 12. 0.
1930. about 140 plants (hardwoods) planted near
the road-side, no plant cleaning necessary 10. 0.

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Dorsinally Plantations, Birkhall
North-West of Dorsinally Farm
Planted - March 14th 1924

This area is very wet and difficult to drain and therefore considered unsuitable for cultivation. It had been used for grazing during the past few years by Mr. McHardy of Dorsinally Farm.
During three or four months of the year it was more like a loch than a field.
The draining of the area was considered but thought to be too costly.
It is difficult to get any fall and the drains would require to be very deep.
There is a 5' silt drain but this has not functioned for years as it is full of silt.
At the present time the area is covered with a thick growth of rushes.

Cost of Carting Plants 4/-
Labour in Planting £ 5. 2. 5
£ 5. 9. 5.
£ 2. 0. 0

Species	Origin of Seed	Age	Numbers	Catalogue prices for similar plants, say 10/- per 1000	Cost
Aspen	Edinburgh	2-3-4	14,750	42	(18.4)
225 N.B.	"	2-2-1	1,180	42	(8.4)
"	"	2-2-1	1,250	42	(8.4)

Cost of cleaning plants Dorsinally 1927 £ 5. 5. 5.

1928-29. Cost of plants for filling up blanks, all raised in estate nursery (catalogue prices) £ 6. 10. 0
Spring 1929. Cost of planting? £ 4. 11. 0.
1929. " cleaning plants £ 6. 13. 10

1930-31. Cost of plants used in filling up blanks, all raised in estate nursery 1,200 N.B. 2 1/2 x 2 1/2 £ 1. 10. 0.
" Cost of labour in planting £ 3. 1. 2
" in cleaning plants £ 2. 0. 0

Particulars of Trees planted in the Birkhall Sawmill Plantations

in Plot of South of Sawmill						Planted Spring 1924.	
SPECIES	ORIG. TREE	WHERE REPROD.	AGE	NUMBER	TOTAL	DISTANCE FROM	AREA
S.P.	Gallochbuie	Balmoral	2yr 2yr	600		42' x 8'	
"	Small Ullachie	Birkhall	2yr 2yr	125	125		
S.P.	For. Comm.	Gal. & Birk.	2yr 2yr	265	265	8'	
N. Maple	L. Reid & Co.	Abundant	2yr 1yr	69		12'	
Yew	"	"	"	44		12'	
Mountain Ash	"	"	"	40		12'	
Gleeks	"	"	2yr 1yr	46		12'	
Exp. Lawsoniana	from old hedge	Balmoral	2 1/2 yr	40	229	6'	
					1319		

Particulars of small plots of Plantations planted on North side of Birkhall Sawmill Spring 1928.

Species	Number	Age
Yew	161	2-2-1
Yew	26	3ft in height
Maple	28	2-6
Gleeks	29	2yr, 1yr.
Exp. Lawsoniana	29	3ft in height (from old hedge)

1929
Particulars of Plantations Belt planted between the Sawmill & Main Road.
NOTE: This narrow belt of wood was cut in the autumn of 1928. It consisted of old trees of Silver Fir & Spruce, the lower branches of which, are quite dead & thus the trees afforded no screen for the new sawmill. Quite a number of trees were rotten.

The new plantations planted in the Spring of 1924 was formed with the intention of screening the Mill from the Road.

PLANTS USED.

300. Gleeks 2yr 2yr.	44	Burbies Lawsonia
90 Yew 1yr. Robin 2yr 2yr.	72	" Yew.
27 Yew (3 ft)	24	Spiraea salicifolia
40 Mountain Ash (3 ft)	12	Cypripedium
1930 14. N. Maple		
5. Yew.		

Birkhall Sawmill Plantations

Planted Spring 1924.

Formed for the purpose of sheltering & screening the new sawmill

Cost of Fencing Material

102 Fencing Posts, 2 1/2 inch	L 2. 19. 6
6 Straining " 1/2	9. 0
8 Rails " 8	5. 4
2 best 10 ft. Wire, 5 1/2 lb. 100 yds	1. 12. 0
283 yds Gal. Netting 3/4 x 1 1/2 x 189	5. 4. 9
	L 10. 13. 4

Cost of labour in erecting fence	6. 15. 9
" " planting	1. 4. 8
" plants	4. 9. 2

Cost of clearing Plants 1924	1. 9. 6
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1928. Cost of labour in Fencing & Planting small plot on north side of mill	4. 19. 3
1928. Cost of clearing plants	1. 11. 6

1929. Belt of Plantations formed between the New Sawmill & the Main Road.

Cost of Fencing Material (Fence extends to the Birkhall Drive Gate)

Posts, Stays etc.	L 15. 16. 10
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Cost of Gate wood	1. 3. 1
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Netting wire etc.	5. 9. 0
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Making Gates?	
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Approx. cost of Plants (supplied from Estate Nursery)	8. 0. 0
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" labour in fencing	
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" planting	8. 11. 5
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1931. Cost of labour in plant clearing	18. 9
" beating up. Spring 1931.	4. 2. 8

19th March
1930.

Tom Mollachie Plantations, Birkhall

10.

Blackgame have caused a great deal of damage in the Tom Mollachie plantations. All the S.P. plants were absolutely stripped of their buds & made no growth at all the first year. Thousands of the plants died, and those which are left are very sickly indeed. The loss of the buds alone might not have killed the plants out right, had it not been for the attack of the small bark beetle (*Hylesinus* etc) which attacked the already sickly plants in large numbers. These S.P. plants were in absolutely splendid condition when they were planted out and every care was taken in the planting to ensure that the plants should have little check in their growth. The Blackgame are not numerous throughout the year but whenever cold weather comes & more particularly after a severe snowstorm, they can be seen in flocks of sometimes as many as two hundred. Our plantations are about the only young plantations in an area of over 1000 Sq Miles and it is not surprising therefore that whenever the ground becomes covered with snow & food difficult to obtain that the birds flock to an area where food is obtainable. The only plantations which have suffered in the same way from Blackgame damage are those & Ashmole Plantations have suffered in the same way from Blackgame damage. The only plantations which up to now have been left alone in Knock South Plantations which situated as it is along side the public road is too much disturbed by passing traffic. The Blackgame do not like to be disturbed. I have protested often to Major Mackenzie, Mr. Abercrombie & Mr. McHardy but still nothing is done to scare the birds away and it is becoming quite a sanctuary for them. The extra work & expense that this bird is causing is tremendous, so numerous were the deaths caused by Blackgame that the cutting of grass, bracken etc was quite unnecessary during the summer of 1929. The plants which were 'pitted' near the drive have not been badly attacked, possibly due to this part being more subject to disturbance.

Tom Mollachie Plantations

Birkhall

11-12

The timber of this area was sold to A. J. Paterson Ltd Timber Merchants, in 1924 but was not cleared until 1926.

Logs & Stops was burnt by estate workmen
1926-27 at cost of £60.6.7.

A few S.P. were planted in the wet parts in the spring of 1927 at which time the area had not been enclosed with wire netting.

Cost of cleaning previous to planting - £2.6.3.
" carting plants - 4.0.
" labour in planting - 4.8.5.
" 3450 S.P. 2 1/2 x 2 1/2. @ £3 per 1000 - 11.5.0.

Cost of labour in erecting fence - Autumn 1927 - 54.5.10.
Cost of fencing materials (practical see Timber Book) - 14.6.10.
Cost of wire netting }
" of wire }
" Staples }
" Larders }
1927-28. Cost of clearing, i.e. digging holes for plants - £47.11.9.
" Planting by Birkhall Foresters - 48.0.11.
" Laboural Foresters - 23.1.0.
" Carting plants - 1.11.6.

Cost of plants (All reared in Estate Nursery)
Catalogue prices for similar plants. £132.0.0.

1928. Cost of cleaning plants - £4.5.6.
1929. " plants all reared in Estate Nursery - £20.15.0.
1929. " planting - £14.8.9.
1929. " cleaning plants during 1929 - Nil.

See note on opposite page
1929-30. Cost of plants (if they had been purchased) but all reared for B.H. in Estate & (various) - 41.11.0.
" and for new ground plantations - 84.11.10.

1929-30. Cost of labour in planting (bark up) - 65.16.5.
" " " planting - 39.0.8.
" " " pitting for planting - 24.5.10.

1930. Putting bracken & clearing plants - 11.0.9.
Cost of plants used in filling up, during seasons 1930-31. (all reared in Estate Nursery) - £25.0.0.

1931
Cost of labour in planting 1930-31. - 39.0.8.
" " " barking up - 104.14.5.
" " " pitting - 24.5.10.
" " Plant cleaning 1931 - 4.8.8.

Asdmeanachs - Knock Cottages Sawdust Heaps Planted, 1929.

This small area, consisting principally of a heap of sawdust (being the sawmill site where Rattays Ltd. timber merchants, Perth, cut the road & drive-side trees on the Gorkhill estate) was enclosed during the Spring of 1929.

There is a good depth of sawdust over the most of the part planted. This was pitted in, the sawdust thrown aside until the soil was reached, and about a basketful of soil added for each plant. Where the sawdust was too deep, a larger quantity of soil was given. The soil was obtained from the excavations of the sawmill site and roads. The idea of planting up this heap was really more for amenity than any idea of utility. The heap looks most conspicuous and unsightly at the present time.

- Several species were tried as will be seen below
- 195. Buchs 2yr 2yr.
 - 126. Hydrangea lobii 2yr 2yr.
 - 50. Yew (about 3 ft)
 - 110. Mountain Ash
 - 190. Maple.
 - 75. N. Spruce (planted in bog tops end)
 - 6. Ab. grandis
 - 60. Spruce

Approx. cost of plants reared in Govt. Nurseries
- cost of planting
- erecting fence
- fencing material
- haulage of soil from sawmill?

L. 4. 0 0
15. 19. 4
10. 8. 8

Pages 14-15 blank

Grays of Knock.

Plantations

Planted Seasons 1930-31

This area, approx. 65 acres in extent is situated about a quarter of a mile N. West of Knock Castle. The previous crops of pure larch was felled in 1902 and from that year until 1930 the ground lay idle. In it was not fit for sheep grazing, nor was it available for the deer as they were forced out of this area when it was enclosed with a wire netting fence in 1929. There was no natural growth of trees on the ground where it was enclosed, and there seemed little possibility of any hope of Natural Regeneration, as there is a very thick growth of heather and bracken in patches.

Cost of Fencing Material
Posts & Pickets & Wood for Gate L. 38. 13. 4
54 feet No. 7 wire 5 1/2 ft. per cut 4. 12. 0
48 rolls 36" x 1 1/2" x 18 g. Netting @ 17/9 per roll. 42. 12. 0
Staples & Locks 1. 10. 0

Cost of labour in erecting fence L. 59. 4. 0
" " " planting 166. 18. 3
" " " (By National Foresters) 13. 12. 3

Plants all reared in Govt. Nurseries
Catalogue prices similar plants 153. 7. 6

Cost of plant cleaning during 1931 3. 16. 6
" " " put up seasons 1931-32 L. 28. 2. 8

This area which lies N.E. of the Ashintully was wind-blown after the removal of the old wood. Every year a few trees are blown on the fringe not clear cut soon that the whole wood will be

In the autumn of 1931 when it was decided to only area left which had not been replanted, and obtained and owing to the fact that we had a large Nurseries, permission to plant this area was obtained.

A wire netting fence was erected around three sides of the area (the fourth side being already netted, in the boundary of the Ashintully Plantation).

The S.P. were planted during Nov. 1931.

which will be planted in the Spring.

The Larches were planted on 23rd - 25th Jan. 1932.

plantation and is actually part of Big Park Wood of Ashintully. of this area and the probability is that if it is blown.

steps all Forestry operations at Birkhall, this was the as permissions to take over other areas could not be number of plants in the Birkhall (and Dalmore)

sides of the area (the fourth side being already netted, during October 1931).

species being left at eight feet intervals for E.L.

during very mild weather.

Costs.

850 yards wire netting 3/6 x 1 1/2 inch 18g. 5 1/2 p. per roll

2 but. No. 4 wire 5 1/2 p. per coil

267 Posts 4-6 larch (2-9g) at 5th 10.

8 straining posts 6-6 larch.

of 50 yds.

L 13 12 0

L 1 10 0

L 1 0 0

5 11 3

1 0 0