

REPORT
OF THE
ROYAL SOCIETY
OF
TASMANIA

FOR THE YEAR

1877.



Tasmania:

JAMES BARNARD, GOVERNMENT PRINTER, HOBART TOWN.

1878.

ROYAL SOCIETY OF TASMANIA.

Patron :

HER MAJESTY THE QUEEN.

President :

HIS EXCELLENCY FREDERICK ALOYSIUS WELD, ESQ., C.M.G.

Vice-Presidents :

VENERABLE ARCHDEACON DAVIES, B.A.

SIR R. OFFICER, KNT.

J. W. AGNEW, ESQ., M.D.

M. ALLPORT, ESQ., F.L.S., F.Z.S., C.M.A.I., &c.

Members of Council :

*VENERABLE ARCHDEACON DAVIES, B.A.

*RIGHT REV. BISHOP BROMBY, D.D.

*M. ALLPORT, ESQ., F.L., F.Z.S., &c.

*HON. J. W. AGNEW, M.D.

F. ABBOTT, ESQ., F.R.A.S., &c.

REV. W. W. SPICER, M.A., &c.

JUSTIN M'C. BROWNE, ESQ.

A. G. WEBSTER, ESQ.

SIR ROBERT OFFICER, KNT.

T. STEPHENS, ESQ., M.A., F.G.S.

H. J. BUCKLAND, ESQ.

J. BARNARD, ESQ.

Treasurer :

C. J. BARCLAY, ESQ.

Hon. Secretary :

HON. J. W. AGNEW, M.D.

Auditors of Annual Accounts :

H. COOK, ESQ.

F. BUTLER, ESQ.

Auditors of Monthly Accounts :

M. ALLPORT, ESQ.

F. ABBOTT, ESQ.

Curator of the Museum :

MR. T. ROBLIN.

Superintendent of Gardens :

MR. F. ABBOTT, JUN.

*Members who retire next in rotation.

Corresponding Members.

- Members who have contributed Papers which have been published in the Society's Transactions.

W. H. Archer, Esq., Melbourne, Victoria.

Rev. W. B. Clarke, M.A., F.G.S., &c., Sydney.

John Gould, Esq., F.R.S., London.

John Dalton Hooker, Esq., M.D., R.N., F.R.S., &c., London.

*Baron F. Von Müeller, C.M.G., M.D., F.R.S., F.L.S., &c., Government Botanist, Melbourne, Victoria.

John Peet, Esq., Professor Grant's College, Bombay.

W. Wilson Saunders, Esq., F.R.S., &c., London.

Alfred R. C. Selwyn, Esq., F.G.S.

C. Tomlinson, Esq., F.R.S., F.C.S., &c., Highgate, near London.

*G. Bennett, Esq., M.D., F.Z.S., Sydney, New South Wales.

*G. Kreft, Esq., F.L.S., C.M.Z.S., &c., &c., Sydney.

Professor G. Neumayer, Munich.

*Rev. Julian E. T. Woods, F.L.S., F.G.S., F.R.G.S., &c.

Dr. W. O. Sonder, Foreign Hon. Sec. Society of Naturalists, Hamburg.

Rev. J. J. Bleasdale, D.D., F.G.S., Melbourne.

*Captain W. V. Legge, R.A., F.Z.S., M.R.A.S., England.

R. Brough Smyth, Esq., Secretary for Mines, Melbourne.

Professor John Agardh, M.D., University of Lund, Sweden.

Dr. Julius Haast, F.R.S., Director of Museum, Christchurch, New Zealand.

Archibald Liversidge, Esq., F.G.S., Professor of Geology and Mineralogy in the Sydney University.

Professor W. Harkness, U.S.N., United States Naval Observatory, Washington.

Henry Haylin Hayter, Esq., Government Statist, Melbourne.

*Frederick M. Bailey, Esq., Brisbane, Queensland.

A. Thozet, Esq., Botanist, Rockhampton, Queensland.

Comte de Castelnau, Consul-General for France, Melbourne.

*Ralph Tate, Esq., F.G.S., Professor of Natural History, University of Adelaide.

*John Brazier, Esq., C.M.Z.S., Sydney.

*Richard Schomburgh, Ph.D., C.M.Z.S., &c., &c., Director of Botanic Gardens, Adelaide.

Professor G. F. H. Ulrich, F.G.S., Melbourne.

Alexander Wallis, Esq., Secretary Board of Agriculture, Victoria.

- *F. W. Hutton, Esq., F.G.S., C.M.Z.S., Corr. Member of Natl. History, Museum of Paris, Professor of Natural Science, University of Otago, New Zealand.
- Rev. George Brown, C.M.Z.S., Sydney.
- Professor F. M'Coy, F.G.S., University, Melbourne.
- R. J. L. Ellery, Esq., F.R.S., F.B.A.S., &c., Government Astronomer, Melbourne.
- Mons. J. N. Verschaffelt, Ghent, Belgium.
- Robert Etheridge, jun., F.G.S., Geological Survey of Scotland.
- James Hector, M.D., F.R.S., F.G.S., &c., Director Geological Survey of New Zealand, Wellington.
- Rev. Charles Rogers, L.L.D., &c., &c., Secretary Royal Historical Society, London.
- *Rev. W. W. Spicer, M.A., F.R.M.S., London.
- E. P. Ramsay, F.L.S., &c., Curator of Australian Museum, Sydney.



List of Fellows and Members.

• Fellows who have contributed Papers which have been published in the Society's Transactions. † Denotes Life Membership.

*Abbott, Francis, F.R.A.S., F.R.M.S., Hobart Town.

*Abbott, F., jun., ditto.

Adams, G. P., ditto.

*Agnew, J. W., M.D., F.L.S. New South Wales, V.P., ditto.

*†Allport, Morton, V.P., F.L.S., F.Z.S., F.R.C.I., Corresponding Member of the Anthropological Institute of Great Britain, Life Member of the Entomological and Malacological Societies, and Foreign Member of the Royal Linnean and Royal Botanic Societies of Belgium, F.L.S., New South Wales, ditto.

Aikenhead, Hon. J., M.L.C., Launceston.

Adams, R. P., Solicitor-General, Hobart Town.

Aubin, Mrs. F., ditto.

Bilton, H., Glenorchy.

†Barry, Sir R., Melbourne.

*Barnard, James, Hobart Town.

Butler, Francis, ditto.

Butler, John James, Brighton.

*Bromby, Right Rev. C. H., D.D., Lord Bishop of Tasmania, Hobart Town.

Bright, R. S., M.R.C.S., Eng., ditto.

Butler, Henry, F.R.C.S., Eng., ditto.

Buckland, H. J., ditto.

Browne, Justin M'C., ditto.

Baynton, W. E., Kingston.

Briant, G. W., Hobart Town.

Barclay, C. J., ditto.

Bedford, W., Anstey Barton.

Belstead, C. T., Hobart Town.

Belbin, W., M.H.A., ditto.

Benjafield, H., M.B., ditto.

Browne, Hon. N. J., Meadow Banks, Glenora.

Bidencope, J., Hobart Town.

Butler, E. H., ditto.

Bailey, Rev. J. H. Brooke, ditto.

Barnard, C. E., M.D., &c., ditto.

Chapman, Hon. T. D., M.L.C., New Town.

Cook, Henry, Hobart Town.

Clark, J. M., ditto.

Creswell, C. F., ditto.

*Cotton, Francis, Swanport.

Crawford, Lieut.-Colonel, Hamilton-on-Forth.
 Crosby, W., Hobart Town.
 Clarke, J. K., ditto.
 Cruttenden, Thomas, Woodsden.
 Coote, Audley, Sandy Bay.
 Cowle, Miss, Hobart Town.
 Crowther, A. B., M.R.C.S., Eng., ditto.
 Crosby, R., ditto.
 Crowther, E. L., M.D., ditto.

Davies, Ven. Archdeacon, V.P., ditto.
 *Dobson, His Honor Mr. Justice, ditto.
 Dobson, H., ditto.
 Dowdell, C., ditto.
 Davies, R. L., ditto.
 Dear, Rev. R. E., ditto.
 Dodds, J. S., ditto.
 Dobson, Hon. Alfred, ditto.

Elliston, C. H., ditto.
 Evans, T. M., ditto.

Fysh, Hon. P. O., M.H.A., ditto.
 Freeman, E. J., ditto.

Giblin, Thomas, ditto.
 *Gould, C., F.G.S., late Government Geologist, London.
 †Gunn, R. C., F.R.S., F.L.S., Launceston.
 †Gellibrand, Hon. W. A. B., M.L.C., Hon. Member Leeds
 Institute, River Ouse.
 Grant, C. H., Hobart Town.
 Gilmore, G., Launceston.
 Gray, Rev. John, Glenorchy.

*Hall, E. Swarbreck, M.R.C.S., Eng., Hobart Town.
 Harris, Rev. R. D. P., M.A., ditto.
 Hunter, Henry, ditto.
 Huybers, A., ditto.
 Hazell, C., Carlton.
 Howell, F. G., Hobart Town.
 Hopkins, A., ditto.
 Hammond, W. S., ditto.

Irving, M.H., M.A., &c., Melbourne.
 †Jeffery, Molesworth, Bournbank, Lachlan.
 Jackson, Hon. J. A., Hobart Town.
 *Johnson, R. M., Launceston.

Kennerley, Hon. Alfred, M.L.C., Hobart Town.
 Kelsh, Rev. Thomas, New Norfolk.
 Kermodé, W. A., Mona Vale.

Lewis, David, M.H.A., Hobart Town.
 Legge, R. V., Cullenswood.
 Lucas, R. J., Hobart Town.
 Latham, G. H., ditto.
 Lovett, W., Colonial Auditor, ditto.
 Lord, R. W., Launceston.
 Langdon, Capt. W., R.N., Hobart Town.

Maclanachan, James, Ballochmyle.
 Macfarlane, James, Hobart Town.
 Macfarlane, John, ditto.
 Mather, J. B., ditto.
 Maxwell, C. M., ditto.

*† Milligan, Joseph, F.L.S., England.
 Moore, J. A., M.R.C.S., Eng., New Norfolk.
 Meredith, Hon. C., M.H.A., Orford.
 Marsh, H. J., ditto.
 † Mace, G., Spring Bay.
 Morriss, W. V., Hobart Town.
 Murphy, Most Rev. D., Bishop of Hobart Town, ditto.
 Manley, E. J., ditto.

Napier, G. R., ditto.
 *Nowell, E. C., ditto.

Officer, Hon. Sir Robert, V.P., New Norfolk.

Pillinger, J., Antill Ponds.
 Perkins, H.A., M.D., M.R.C.S., Eng., Hobart Town.

Roberts, H. L., ditto.
 Read, R. Cartwright, Redlands, New Norfolk.
 Riddoch, A., M.H.A., New Norfolk.
 Roblin, T., Curator of Museum, Hobart Town.
 Reynolds, W. J. J., ditto.
 Richards, Rev. George B., President of Horton College,
 Ross.
 Rex, R. R., Hobart Town.

Seal, M., Hobart Town.
 Smith, His Honor Sir Francis, Chief Justice, ditto.
 † Solomon, Joseph, Hobart Town.
 *Stephens, T., M.A., F.G.S., Inspector of Schools, ditto.

- Story, Dr. G. F., Swanport.
 Storie, Rev. J., Hobart Town.
 Salier, F. J., Hobart Town.
 *Swan, J., New Town.
 Smith, P. T., England.
 *Shoobridge, W. E., New Norfolk.
 Shoobridge, E., ditto.
 Simson, A., Brighton.
 Scott, Hopton, Hobart Town.
 Swan, E. D., ditto.
 Sharp, J., ditto.
 Shoobridge, R. W. G., New Norfolk.
 Simson, F. J., Brighton.
 Smith, C. H., Launceston.

 *Travers, S. Smith, New Town.

 Walch, James H. B., Hobart Town.
 Weaver, W. G., ditto.
 Whyte, Hon. James, ditto.
 Wilson, George, Mount Seymour.
 Wilson, Hon. Sir J. M., M.L.C., President of Legislative
 Council, Hobart Town.
 Wise, F. H., ditto.
 Webster, A. G., ditto.
 Wright, Stephen P. H., Glenorchy.
 Westbrook, T., Bellerive.
 Westbrook, G. C., Hobart Town.
 Woodgate, E. W., Launceston.

 Young, Russell, M.H.A., Hobart Town.

Obituary.

WILSON, JAMES, J.P.—Died at Ashgrove, Oatlands, July 18, 1877, æt. 41.

SCOTT, JAMES REID, J.P.; M.L.C. for South Esk.—Born in 1839, at Earlston, in Scotland. Died August 25, 1877, æt. 39. Was educated in Scotland. Elected to House of Assembly in 1867. Returned to the Legislative Council in 1872. Colonial Secretary from 1872 to 1873. A good botanist, and a hardy and enthusiastic explorer, he made several expeditions to the wild and lesser known portions of the Southern and Western Districts of the Island, and wrote for the Royal Society several Papers on the Natural History and Physical Features of those regions. A Fellow of the Society since 1868.

SHARLAND, WILLIAM STANLEY, J.P.—Born in County Salop, England. Died at Hobart Town, October 23, 1877, æt. 77. Arrived, with his father and family, in Tasmania in 1823, and, at the age of 22, was made Assistant Surveyor. Explored various unknown regions of the Colony, and discovered Lake St. Clair. Was nominated as a Member of the old Legislative Council by Sir William Denison in 1849. Elected Member for New Norfolk in the Upper House, 1857. Represented New Norfolk in the House of Assembly, from 1861 to 1872, when he retired from public life. A Fellow of this Society almost since its formation.

ALLPORT, JOSEPH.—Born in 1800, at Aldridge, in Staffordshire. Left England in 1831, bound for Sydney, but, touching at Hobart Town, was induced by the then Governor, Sir George Arthur, to remain. Mr. Allport was remarkable for the brightness, perspicuity, and interest which he exhibited in matters outside his profession, especially such as related to natural objects and to progressive science. He was probably the first to attempt the introduction of live fish to the Australia, having as far back as 1842 constructed ponds for their reception. Some years later he succeeded in introducing perch and tench. He was an ardent horticulturist, and there are now in his garden trees and shrubs seldom seen elsewhere in the Colony. He was one of the original members of the Tasmanian Society, from which has sprung the present Royal Society of Tasmania, of which he has ever since been a Fellow; and from the formation of the Tasmanian Public Library till his death he was one of the Trustees of that Institution.

MINUTES of the Annual General Meeting of the ROYAL SOCIETY OF TASMANIA, held at the Museum, Macquarie-street, on the 29th January, 1878: The Right Rev. the Lord BISHOP OF TASMANIA in the Chair.

The Chairman, having read the advertisement by which the meeting had been convened, requested that the Report might be read.

Mr. M. Allport (in the absence of the Honorary Secretary, Dr. Agnew) read the Report of the Council for the year 1877.

It was moved by the Rev. W. W. Spicer, seconded by Mr. Manley, and carried, "That the Report be adopted, and printed for circulation amongst the Fellows."

Mr. Allport having reported that the retiring Members of Council were Sir Robert Officer, Messrs. T. Stephens, H. J. Buckland, and J. Barnard, it was unanimously resolved that they should be re-elected.

Messrs. H. Cook and F. Butler were elected Auditors of Annual Accounts.

The following gentlemen were balloted for and declared duly elected as Corresponding Members:—James Hector, Esq., M.D., F.R.S., &c., Director of the Geological Survey of New Zealand; and Robert Etheridge, jun., Esq., F.G.S., of the Geological Survey of Scotland.

Mr. Morton Allport stated that in future the printed proceedings of the Society would not be distributed as heretofore to the members, but would be obtainable on application at the Museum. The part for 1876 was now ready. This plan would be pursued, as by the old system of distribution the Society had run out of some of the earlier numbers of its proceedings. Mr. Allport continued that he would take the opportunity, in the absence of their Hon. Secretary, Dr. Agnew, to move a direct vote of thanks for his services during past years, more especially for those in the year which was just ended. (Cheers.) Nothing that he could say would tend to increase the respect that was felt for him. It was simply a fact that had it not been for Dr. Agnew's labours on behalf of the Society there would have been no society at all. (Hear, hear.) Dr. Agnew's services had been great in previous years, but last year they had been more than ever valuable. Many improve-

ments had to be made in the Museum and Library, and, with a larger printing bill, had swelled the amount of the debt of the Society to their Secretary, who had advanced the sums necessary for the expenditure. Of this debt he had now made the Society a present, and on this account also their thanks were especially due to him. He (the Speaker) would propose that the special and cordial thanks of the Society be accorded to the Hon. Secretary, Dr. Agnew, for his services.

Mr. Justin Browne seconded the motion.

His Lordship the Chairman, in putting the motion, said that he would add nothing to it, but to say that he thought the vote was perfectly deserved. "The bird that we feed is the bird that we love," and Dr. Agnew's love for the Society made him devote his time and energies to it, and he had added to the obligations under which they were to him by clearing off their debt.

The motion was carried by acclamation.

R E P O R T .

THE Session of 1877 opened on March 13 with a Paper "On some South Australian Polyzoa," by F. W. Hutton, Esq., F.G.S., communicated by Professor R. Tate, F.G.S., of Adelaide, a Corresponding Member of the Society.

The following Papers were brought forward at the various subsequent meetings during the year:—"A Census with brief description of the Marine Shells of Tasmania and the adjacent Islands," by the Rev. J. E. Tenison-Woods, F.L.S., F.G.S., F.R.G.S., &c.; "Notes on a curious Confervoid substance from the Cascades Reservoir," by the Rev. W. W. Spicer, M.A.; "On 'Aliens,' or Plants which have been introduced into Tasmania and naturalised," by the Rev. W. W. Spicer, M.A.; "On Plants as Insect Destroyers," by the Rev. W. W. Spicer, M.A.; "The Modern Progress of Astronomy," by F. Abbott, F.R.A.S.; "On the occurrence of 'Ergot' on Rye Grass at Kingston," by the Rev. W. W. Spicer, M.A.; "On the Hobart Town Storage Reservoir," by T. Stephens, M.A., F.G.S.; "Notes on the Flora of Tasmania," by the Rev. W. W. Spicer, M.A.; "On Tasmanian Siphonaria, including a new species," by the Rev. J. E. Tenison-Woods, F.G.S., F.R.G.S., &c.; "On Silk and Silk Producers," by the Rev. W. W. Spicer, M.A.; "On some new Tasmanian Marine Shells," by the Rev. J. E. Tenison-Woods, F.G.S., F.R.G.S., &c.; "On the present stage of the Salmon Experiment," by M. Allport, F.L.S., F.Z.S., &c.; "On Insect Parasites," by the Rev. W. W. Spicer, M.A.

In addition to the Papers above referred to, communications on the following subjects were brought under notice during the Session:—"Fossils from Darling Downs, Queensland," from G. Bennett, M.D., F.Z.S., &c.; "The occurrence of species of *Belemnites* and *Salenia* in the Middle Tertiaries of South Australia," from Professor R. Tate, Adelaide; "The Islands of New Britain, New Ireland, and the Duke of York Group,

their Natural History, and the Language, Manners and Customs of the Inhabitants," from the Rev. George Brown, Wesleyan Missionary; "The alleged Sanitary Influence of the Blue Gum Tree (*Eucalyptus globulus*)," "Difference in the Time of Leafing of English Trees in the Colony and in England," "The Screw Bean (*Prosopis pubescens*)," "The Origin of the Potato known as the 'Brown's River Black,'" "Fossil Fruits from Gulgong, New South Wales," &c., &c.

Mr. Abbott and Mr. W. E. Shoobridge (New Norfolk) have been indefatigable as usual in carrying on the Meteorological Observations, and the various Lighthouses have supplied their monthly tables regularly. The "Simultaneous Observations" are still taken by Mr. Abbott, and are forwarded to the Meteorological Department, United States, where they are incorporated with observations of a similar character taken at various stations throughout the world.

Our usual thanks are due to Messrs. W. Crosby and Co., and Macfarlane Bros., for the transmission of parcels free of expense to England and elsewhere; also to Messrs. Walch and Sons for the gratuitous distribution of the Society's publications to Members resident in the country.

Fourteen Fellows and seven Corresponding Members were admitted. Four have been lost by death, and three by resignation. Of the resignations two were due to the circumstance that the Members have gone to official positions on the northern side of the Island.

COUNCIL.

One vacancy which occurred, owing to the retirement of Mr. T. Giblin, was filled by the election of the Rev. W. W. Spicer. The list of Retiring Members has been posted in the Library for the last three days, in accordance with No. 33 of the Amended Rules of the Society.

FINANCE.

The income from all sources was as follows:—Government grant in aid to Museum, £200; ditto Gardens,

£400 ; subscriptions, £168 10s. ; from Marine Board, £20 ; sale of Plants &c. at Gardens, £88 6s. 8*d.* ; this, with £30 12s. in the hands of the Superintendent of the Gardens for the payment of wages and arrears of subscriptions, £50, will give a total of £957 8s. 8*d.* The expenditure and liabilities as per balance-sheet amounted to £1024 8s. 10*d.*, leaving a balance to debit of £67 0s. 2*d.*

Large and unusual as the outlay for printing was last year, it has, owing to the great value and interest of Papers read at the meetings, been exceeded by nearly £30 this year. The result has been an increase on our debt to this amount. As the printing account, however, is not likely to be again so large, it is expected that a great portion of the debt will disappear during the ensuing year.

GARDENS.

The gates which were ordered from England last year are now being erected ; and when this work is complete, and the general approach to the gardens properly laid out, the present mean and discreditable entrance, which has long been an eye-sore, will cease to exist. To all who are interested in the beauty and well-doing of the Gardens, it must be a matter of congratulation that the grant in aid has been increased by the annual addition of £200. By means of this timely assistance the workmen can now receive fairer wages, and the deserts of the zealous and most efficient Superintendent will be more adequately recognised.

The principal new work executed consists in the extension of the sea-wall, completion of reclaimed flat at lower part of Gardens, trenching, and forming paths on new ground intended for an arboretum. Efforts will be made to complete this work forthwith in order that more attention may be given to many general works of importance which have hitherto, from want of means, been neglected.

A quantity of peat soil has been received from Port Arthur for the purpose of forming a Rhododendron bed, in

which about seventy varieties have been planted. This gives promise of great success, many of them having already flowered freely.

Many new Plants have been introduced, the following being a few of the most noteworthy :—Orchids and Palms, from Mons. J. Linden, Ghent, Belgium ; Fruit Trees and various Plants, from A. Van Geert, Ghent ; North American Plants, from Mr. C. Moore, Director Botanical Gardens, Sydney ; Seeds of the Mesquit Bean (*Prosopus pubescens*) and of the Algaroba Bean (from which Plants have been raised), from His Excellency the President. In addition to these, contributions have been received from Mr. A. Simson, George's Bay ; and from Mr. L. Bernays, Queensland, &c.

The grant from Government has, as usual, been supplemented by a gang of prison labour, which has been of great service in carrying out new work, and in performing the rougher operations. Without this, indeed, it would not have been possible to maintain the Gardens in anything like fair condition.

The number of visitors has been estimated at 55,880, being nearly 8000 more than last year.

MUSEUM.

In addition to the new Shell Cases acquired last year two new ones have been added, and all the available space in the room is now fully occupied. Mr. Legrand is making progress with the arrangement and display of our shells, 450 species of which have been mounted and named. Among these are included the type specimens of the new species described by Rev. J. E. Tenison-Woods. The thanks of the Society are due to Mr. Legrand, not only for the work in the Museum, but also for his valuable assistance in correcting the proofs of the Conchological Papers which have passed through the Press, and for his liberality in presenting many specimens from his private collection. Our thanks are also due to Mr. W. F. Petterd for numerous presentations, many of them unique, to this Department.

In this place it is due to Mr. R. C. Kermode and to Mr. P. T. Smith to record that the special thanks of the Society have been given to the former for a very liberal donation of Tasmanian Insects in a valuable cabinet; and to the latter for his generosity in presenting a first-class Microscope (by Ross) furnished with many accessories and mounted objects.

Mr. A. Simson has also been a donor of numerous mineralogical and other specimens from the George's Bay District.

For the past six weeks the Museum has been thrown open to the public on Sundays for a few hours in the afternoon. The experiment has been attended with marked success. The attendance has been very large and orderly, and many who have hitherto been prevented by their avocations from visiting the Museum have gladly availed themselves of the opportunity now afforded them of doing so.

The number of visitors to the Museum was 22,463, being an increase of 3737 on that of 1876.

STATEMENT of Funds of the ROYAL SOCIETY of TASMANIA for the Year 1877.

	£	s.	d.	£	s.	d.
Receipts.						
Annual Subscriptions from 98 Members	147	0	0			
Arrears of ditto	21	10	0			
From the Marine Board for clerical assistance in completing Meteorological Tables from Lighthouses, &c....	20	0	0			
Total Royal Society	188	10	0			
Museum.						
Grant in aid from Treasury			200			
Botanic Gardens.						
Grant in aid from Treasury	400	0	0			
Proceeds of sale of Plants, Fruit, &c.	88	6	8			
Total Botanic Gardens	488	6	8			
Expenditure.						
Jan. 17—Balance overdrawn at Commercial Bank as per statement for 1876				63	12	8
Interest on overdrawn account, 30th June, £1 9s. 1d.; 31st December, £1 16s. 9d.				3	5	10
Royal Society.						
Printing and Advertising	108	6	0			
Postage, Parcels, &c.	3	13	8			
Collector's Commission	8	8	6			
Messenger	0	5	0			
Clerical assistance for completing Lighthouse Meteorological Tables	20	0	0			
Library Books, Stationery, &c.	41	6	9			
Total Royal Society	181	19	11			
Museum.						
Salary of Curator	125	0	0			
Wages of Attendant	52	0	0			
Ditto extra for attendance on Sundays	2	0	0			
Insurance	6	7	6			
Purchase and preparation of Specimens	3	8	0			
Water rate	6	5	0			
Fuel and Light	4	11	6			
Sundries and Petty Cash	5	2	1			
Ironmongery, Brushware, &c.	5	16	3			

Freight and carriage of Specimens .	0	10	6
Fittings, Repairs, &c.	23	1	9
Total Museum	<u>240 2 7</u>		
<i>Botanic Gardens.</i>			
Salary of Superintendent	150	0	0
Wages of Laborers.....	260	0	0
Tools and Repairs	11	16	0
Freight and carriage of Plants	23	19	5
Stationery and Stamps	4	11	4
Forage	10	14	9
Ironmongery	12	16	6
Repair of Buildings, Timber, &c. ...	6	12	6
Seeds	7	16	9
Sundries	30	14	11
Water rate	3	2	8
Flower Pots	7	4	0
Fittings	5	19	0
Total Botanic Gardens	<u>535 7 10</u>		
	<u>£1024 8 10</u>		

1878.	
Jan. 18.	
Balance overdrawn at Com- mercial Bank	147 12 2
	<u>£1024 8 10</u>

NOTE.	
To overdrawn balance at Bank	147 12 2
By Cash in hands of Mr. Abbott for payment of men's wages	30 12 0
Subscriptions due.....	50 0 0
	<u>80 12 0</u>
Balance to Debit.....	<u>£67 0 2</u>

Audited and found correct,
FRANCIS BUTLER.
HENRY COOK.

29th January, 1878.

BOOKS, &c. Purchased and Presented during 1877.

[Presentations marked thus *.]

Athenæum, The, current numbers.

Arts, Journal of Society of, ditto.

—————, vols. 23 and 24.

Agricultural Gazette, ditto.

* ————— Society, Wisconsin State, Regulations of, 1876.

* Arboriculture, Prizes for promoting, (Massachusetts Society).

* Academy of Natural Sciences, Philadelphia, Proceedings of, 1876.

* Avi-fauna of New Guinea, Notes on, by Dr. G. Bennet, F.L.S., F.Z.S.
From the author.

Belemnites and Salenia, on some new species of, from South Australia, by
Prof. Ralph Tate, F.G.S., Adelaide University.

* Colonies, the current numbers.

Conchologia Iconica, Reeves, parts 330 to 337.

* Climate of New South Wales, by H. C. Russell, B.A. From the author.

Crusta Catalogue of Stalk and Sessite-eyed, New Zealand, by E. J.
Miers, F.L.S. From the author.

* Catalogue of Birds, British Museum, vol. 2. From the trustees.

* Confervoid Substance from Cascades Reservoir, Notes on, by Rev. W. W.
Spicer, M.A., F.R.M.S. From the author.

* Diatomacean Typen Platte, Catalogue of, Möller. From P. T. Smith,
Esquire.

* England and Wales, Return of Landowners in, vols. 1 and 2.

* Ergot, on the occurrence of, on Rye Grass, in the Colony, by the Rev. W.
W. Spicer, M.A., F.R.A.S. From the author.

Florist and Pomologist, the, current numbers.

* Flora of Iowa, contributions to. From the Commissioners, Philadelphia
Exhibition.

Féathers, Stray, vol. 4, Nos. 4, 5, 6 ; vol. 5, Nos. 1 to 4.

Geological Magazine, Nos. 149 to 160.

Gardeners' Chronicle, current numbers.

Gazetteer, Tasmanian, (Baillier's), 1877.

Geological Survey of Victoria, Report of, No. 4, 1877.

————— Explorations in New Zealand, with Map of Buller Gold Field,
by Dr. J. Hector, F.R.S. &c. From the author.

* Historical and Archæological Society of Ireland, Royal Journal of, vol. 3,
Nos. 23, 24 ; vol. 4, Nos. 25, 26, 27. From the Hon. J. W. Agnew, M.D.,
M.L.C.

* Ireland, Census of 1871, vol. 1, parts 1 and 2 ; vol. 2, parts 2, 3 ; vol. 4,
part 1.

—————, Return of Landowners in.

* Institute, Royal Colonial, Report of, 1877.

* —————, New Zealand, Proceedings of, vol. 9, parts 1 and 2. From Dr.
Hector.

—————, New Zealand, Index to Proceeding, vols. 1 to 8.

Journal, Quarterly, of Science, Nos. 53 to 56.

- * Lincei, L'Academia Royale des, Rome, Publications of, 1876-7.
- * Longitude, Report on difference of, between Washington and Ogden, Utah.

Magazine, Country Gentleman's, current numbers.

- * Microscope, the, by W. B. Carpenter, M.D. &c. From P. T. Smith, Esquire.

* Microscopic Mounting, Martins. From ditto.

- * Micrographic Dictionary, Griffith & Henfrey's, 2nd edition. From ditto.

* Meteorological Society, Quarterly Journal of, current numbers.

* Meteorological Office, Calcutta, Publications of, 1874-5-6.

* ————— Report, New Zealand, 1875. From Dr. Hector.

* ————— Observations, Adelaide, 1876. From C. Todd, Esquire.

* —————, Melbourne, 1875, Results of. From R. J. L. Ellery, Esquire.

* ————— Data for the nine 10° squares of the Atlantic between 20° N. and 10° S. lat., and 10° to 40° W. long. From Meteorological Office, London.

* ————— Report, Quarterly. From ditto.

* —————, of Kew Committee, 1876. From ditto.

* ————— Observations at Windsor, N. S. Wales, Results of. From J. Tebbutt, Esquire, F.R.A.S.

* ————— Tables, Monthly, Hobart Town. From F. Abbott, Esq.

* —————, New Norfolk. From W. E. Shoobridge, Esquire.

* —————, Mount Nelson, South Bruni, Goose Island, Swan Island, Kent's Group, and King's Island. From the Marine Board.

* —————, Tamar Heads, June to December. From R. Henry, Esq.

* Moon, the, Investigations of, corrections to Hansen's tables of, by Prof. Newcomb, U. S. Navy. From the author.

* Mines, Report of Department of, N. S. Wales, 1876. From Government of N. S. W.

Nature, current numbers.

Natural History, Animals and Magazine of, ditto.

New South Wales, Progress and Resources of, by C. Robinson, Sec. to Commissioners, Philadelphia Exhibition.

* Orchids, Australian, by R. D. Fitzgerald. From the Government of N. S. Wales.

* Physicalisch-ökonomischen Gesellschaft zu Königsberg, Schriften der, 1875.

* Plants eligible for Industrial culture and Naturalisation in Victoria, by Baron Fred. von Mueller, C.M.G., M.D., F.R.S., &c.

* —————, Papuan, Descriptive Notes on, by the same.

* —————, Alien, on, by Rev. W. W. Spicer, M.A., F.R.M.S.

* —————, as Insect Destroyers, by the same.

Parasites, on Insect, by the same.

Palm House, the, in Botanic Gardens, Adelaide, by Dr. Schomburgh.

* Photoheliograph, Theory of Horizontal, by Prof. W. Harkness, United States Naval Observatory, Washington.

* Polyzoa, on some South Australian, by F. W. Hutton, F.G.S. From Prof Ralph Tate, Adelaide.

* Rain Gauge, Register of, at Adelaide, 1839 to 1874, by Sir George Strickland, Kingston. From the author.

- * Report, Botanic Gardens, Adelaide. From Dr. Schomburgh.
 - * ———, Colonial Museum and Laboratory, Wellington, N. Z. From Dr. James Hector.
 - of British Association, 1875.
 - Reservoir, Hobart Town Water Works, on the, by T. Stephens, M.A., F.G.S.
 - * Society, Royal Astronomical, Monthly Notices, vol. 36, No. 9 ; vol. 37, Nos. 1 to 9.
 - * ———, Asiatic of Japan, Transactions, vol. 4, 1875-6. From the society.
 - * ———, Linnean of New South Wales, Proceedings, 1876. From the society.
 - * ———, Royal, Proceedings, 1877, current numbers. From the society.
 - * ———, Royal, of Victoria, Proceedings of, vol. 12, 1876. From the society.
 - , Palæontographical, Publications of, 1875-6, vols. 29, 30.
 - * ———, Geological, Quarterly Journal of, vol. 32, Nos. 125, 128.
 - * ———, Royal Asiatic, Journal of, vol. 8, parts 1 and 2 ; vol. 9, part 1, 1876.
 - , Royal Geographical, Journals of, vol. 45, 1875 ; Proceedings, vol. 20, Nos. 1, 6 ; vol. 21, No. 1.
 - , Linnean, Journal of, vol. 15, Nos. 82 to 87, (Botany) ; vols. 12 and 13, Nos. 60, 66, (Zoology).
 - , Zoological, Proceedings of, 1875 and 1876.
 - * ———, Geological and Polytechnic of West Riding of Yorkshire, Proceedings of, 1876.
 - * ———, Royal, New South Wales, Report, 1877 ; Proceedings, 1876.
 - * ———, Leeds Philosophical and Literary, Report, 1876-7.
 - * Société Royale du Nord, Memoirs, 1875-6.
 - * Statistics of Tasmania, 1876. From government.
 - * ———— Victoria, 1876. Ditto of Victoria.
 - * ———, Australian, 1876. Ditto of N. S. Wales.
 - * Shells, Marine, of Tasmania, a Census of, 1877, by the Rev. J. E. Tenison Woods, F.G.S., F.R.G.S., &c.
 - * ———, Marine, on some new Tasmanian, 1877, by the same.
 - * Siphonaria, on Tasmanian, by the same.
 - * Silk and Silk Producers, on, by the Rev. W. W. Spicer, M.A.
 - * Salmon Experiment, on present stage of, 1877, by M. Allport, F.L.S., F.Z.S., &c.
 - * Tobacco, its culture, &c., by A. Morris, Executive Commissioner, Philadelphia Exhibition.
 - * Victorian Year Book, 1876. From H. H. Hayter, Esq., Government Statist, Victoria.
 - Wissenschaften, Der K. B. Akademie der Munich, publications of, 1874, 1875.
-

LIST of Donors to the Museum during 1877.

(For particulars of Donations see Lists in Monthly Proceedings.)

- | | |
|--|--|
| Archer, R. F., Mr. | Lucas, Mr. J., Huon. |
| Allport, Mr. C., Hobart Town. | Langdon, Lieut. F. G. C., R.N. |
| Armstrong, Mr., Christchurch, New Zealand. | Meredith, Mr. O., Orford. |
| Blythe, W. C., Mr., Campbell Town. | Maddock, A., Master, Hobart Town. |
| Bates, T., Mr., Adelaide. | Murray, Mr. R. A., Hampshire Hills. |
| Brown, Rev. G. | Nicholas, Mr. E. J., Meadsfield. |
| Brazier, Mr. John. | O'Keefe, Mr., Hobart Town. |
| Baynton, Mr. J. E., Kingston. | Oldfield, Mr. E., Launceston. |
| Bidencope, Mr. J., Hobart Town. | Parsons, Mrs. S., Hobart Town. |
| Boyes, L., Mr., ditto. | Parsons, Mrs. C. O., ditto. |
| Barnard, Mr. D. M., Fingal. | Pybus, Mrs. R., Bruni Island. |
| Barnard, Dr. C. E., Hobart Town. | Piguenit, Mr., New Town. |
| Collis, Mr., Furneaux Group. | Penny, Mr., ditto. |
| Clark, Mr. J. W. H., Hobart Town. | Pitt, W., Esq., Brighton, New Zealand. |
| Crowther, Dr. E. L. | Rex, G., Mr., Hobart Town. |
| Coverdale, Dr. | Rollins, Mr. J. R., Longley. |
| Clark, J. K., Esq., Hobart Town. | Rex, Mr. R. R., Hobart Town. |
| Dixon, W. K., Ouse. | Sandberg, Mr. C., Ringarooma. |
| Dury, Mr. T., Hobart Town. | Swan, John, Esq., Hobart Town. |
| Dillner, Capt., brig <i>Prairie</i> . | Swan, E. D., Esq., ditto. |
| Dear, Rev. R. E., Hobart Town. | Shoobridge, W. E., Esq., New Norfolk. |
| Eddington, Mr., Sorell | Spicer, Mr. F. B., Campbell Town. |
| Fisher, W., Esq., Hobart Town. | Simson, A., Esq., Gould's Country. |
| Ferguson, Mr., Tinder-box Bay. | Spicer, Rev. W. W., Hobart Town. |
| Gates, Mr. J., Hobart Town. | Smith, Mr. E. A., Sandy Bay. |
| Gatenby, Mrs. R., Isis River. | Scott, J., Esq., Launceston. |
| Gillon, Mr. J., Hobart Town. | Tabor, Mr., Huon Road. |
| Hull, H. M., Esq., ditto. | Thomas, Rev. J., Friendly Islands. |
| Hutton, F. W., Esq., Dunedin, New Zealand. | Tate, Prof. R., Adelaide. |
| Harbroe, Mr., New Town. | Terry, Mr., New Norfolk. |
| Hull, Master, Hobart Town. | Tanner, Mr. P., Hobart Town. |
| Hissey, Mr., ditto. | Watchorn, Mr. W. J., ditto. |
| Johnston, Mr. A. K., Cleveland Bay. | Wilson, Mr., Bellerive. |
| Johnston, Mr. R. M., Launceston. | Wise, Mr. F., Hobart Town. |
| Jones, Master H., Hobart Town. | Witherington, Mr. J., ditto. |
| Kermode, R. C., Esq., Mona Vale. | Yeoland, Miss E., Long Bay. |
| Knight, Miss, Sandy Bay. | |

PLANTS AND SEEDS RECEIVED AT THE BOTANIC GARDENS
DURING THE YEAR 1877.

From Mr. William Meyer, San Francisco Nursery, San Francisco—16 packets Seeds of Coniferæ : 7th February.

From Mr. James Jones, Melbourne—65 varieties Dahlia, imported : 17th February.

From Mons. Ch. Huber, Hyères, France—2 packets Seeds : 8th March.

From Mons. August Van Geert, Ghent, Belgium—Case containing 112 Plants, and also 80 varieties of Fruit Trees : 17th March.

From the Royal Gardens, Kew—One box Willow Cuttings : 17th March.

From Baron Ferd. Von Mueller, Government Botanist, Melbourne—Seeds of *Festuca dives* : 17th March.

From the Chamber of Agriculture, Washington, America—39 packets Seeds : 3rd April.

From Ch. Huber & Co., Hyères, France—43 packets Seeds : 3rd April.

From the Botanic Gardens, Calcutta—14 packets Seeds Coniferæ : 28th April.

From Mr. Piesse, Hobart Town—14 packets Seeds : 4th May.

From His Excellency F. A. Weld, Esq.—Seeds of *Prosopus pubescens* and *Prosopus juliflora* : 7th May.

From Mr. J. Dawson, Hobart Town—16 packets Seeds of Fijian Plants : 23rd May.

From Ch. Huber—Seeds of *Jocaranda mimosæfolia* : 23rd May.

From the Philadelphia Exhibition Commissioners—25 packets Seeds : 9th June.

From Baron Ferd. Von Mueller—3 packets Seeds : June 13th.

From Mr. William Lawrence, Melbourne—Seeds of *Quercus egllops* : 15th June.

From A. Simpson, Esq.—Plants from Flinder's Island : 19th July.

From the Botanic Gardens, Sydney—Plants of *Nymphæa lutea* and *Nymphæa odorata* : 18th August.

From Mr. G. Brunning, St. Kilda Nurseries, Melbourne—Case containing 41 Plants, 23 varieties Fruit Scions : 31st August.

From Messrs. Shepherd & Co., Sydney—21 Fruit Trees : 31st August.

From W. S. Bernays, Esq., Queensland—Seeds of two species *Nymphæa* : 15th September.

From Mr. J. Purchase, Sydney—Case containing 24 Plants : 15th September.

From Mr. Inglis—18 packets Seeds from India : 29th September.

From Mr. A. Simpson, George's Bay—Large plant of *Alsophila Australis* : 15th October.

From Mons. J. Linden, Ghent, Belgium—Case containing 50 plants of Orchids and Palms : 19th October.

From L. Bernays, Esq., Queensland—Two cases Water Lilies : 23rd November.

From Mr. Latham, Hobart Town—Numerous varieties Dutch Bulbs : 30th November.

From Mr. F. M. Baily, Queensland—Four varieties Grass Seed : 30th Nov.

From Mons. Ch. Huber, Hyères, France—32 packets Seeds.

PLANTS AND SEEDS SENT FROM THE GARDENS DURING
1877.

- May 12th : To the Botanic Gardens, Kew, London—Seeds of *Eucalyptus globulus*.
- May 12th : To Mr. Wm. Bull, London—Seeds, *Eucalyptus globulus*.
- May 12th : To the Botanic Gardens, Calcutta—Seeds of *Eucalyptus globulus*.
- May 25th : To the Rev. W. W. Spicer—60 packets seeds.
- June 26th : To the Department Agriculture, Washington, United States, America—100 packets seeds.
- July 4th : To Baron Ferd. von Mueller—100 packets seeds.
- July 8th : To Mr. Wm. Bull, London—10 packets seeds.
- July 8th : To the Botanic Gardens, Calcutta—23 packets seeds.
- July 8th : To the Royal Gardens, Kew—106 packets seeds.
- July 8th : To the Royal Horticultural Gardens, London—10 packets seeds.
- July 18th : To Messrs. Vilmorin, Andrieux, & Co., Paris—14 packets seeds.
- July 18th : To C. Huber & Co., Hyères, France—14 packets seeds.
- July 18th : To Mr. C. F. Creswell, Melbourne—Plants and seeds.
- July 31st : To Mr. James Jones, Melbourne—Packets seeds.
- August 7th : To Messrs. Shepherd & Co., Sydney—Box plants and seeds.
- August 8th : To Mr. G. Brunn, Melbourne—1 case plants and seeds.
- November 23rd : To Dr. Hector, Colonial Museum, Wellington—18 plants.
- November 23rd : To Mr. Travers, Nelson, New Zealand—12 packets seeds.
- November 26th : To the Royal Gardens, Kew—Seeds, hardy *Eucalypti*.
- November 26th : To Mr. Wm. Bull, London—Various seeds.
- November 26th : To Thos. Ledbetter, Esq., Notary Public, Bombay—Seeds, *Eucalypti*.
- November 26th : To Mons. Ch. Huber, France—Seeds, Hardy *Eucalypti*.
- November 26th : To Messrs. Vilmorin, Andrieux, & Co., Paris—Seeds, hardy *Eucalypti*.
- November 26th : To Jean Verschaffelt, Belgium—Package seeds.
- November 26th : To Baron Ferd. von Mueller—Package seeds.
- November 26th : To Mr. C. F. Creswell, Melbourne—Package seeds.
- November 26th : To the Royal Horticultural Society, London—Seeds of hardy *Eucalypti*.
- November 26th : To the Chamber of Agriculture, United States, America—Seeds, hardy *Eucalypti*.
- November 26th : To J. King, Esq., Botanic Gardens, Calcutta—Package seeds.

PLANTS SUPPLIED FOR PLANTING PUBLIC PLACES.

- May 1st : For Hospital Grounds and Public Buildings, Launceston—
176 plants, and various bulbs.
- May 29th : For St. Mark's Church, Kangaroo Point—100 plants.
- May 29th : For Public Recreation, New Norfolk—100 plants.
- May 31st : For Cemetery, Hobart Town—80 plants.
- June 7th : Ditto—40 plants.
- June 13th : For Hospital, Launceston—150 plants.
- June 21st : Horton College, Ross—100 plants.
- June 21st : St. David's Cathedral—2 Deodors.
- June 30th : For Cemetery, Sandy Bay—50 plants.
- July 15th : Public School, Sorell—18 plants.
- July 15th : Church of England, St. Mary's—30 plants.
- July 19th : Church of England, Spring Bay—25 plants.
- July 24th : Municipality Deloraine—100 plants.
- August 21st : Public School, Oatlands—55 plants.
- September 14th : Scotch Church, Launceston—50 plants.

F. ABBOTT, *Superintendent.*

PLANTS INTRODUCED INTO THE ROYAL SOCIETY'S GARDENS
DURING THE YEAR 1877.

- Albizzia procera*
Andropogon angulatus
Anemia flexuosa
Antigonon leptopus
Aspidium Molley
Aspidium acuminatum
Asplenium eburnum
Asplenium felix fœmina
Asplenium proliferium
Bauhinia Hookeri
Bauhinia tomentosa
Bignonia adenophora
Boronia citriodora
Brodæa coccinea
Bromus arenarius
Calochortus elegans luteus
Calochortus luteus oculatus
Calochortus splendens
Calochortus uniflorus
Calochortus venusta
Canna Coquette
Caryota speciosa
Cattleya citrina
Cattleya labiata
Ceanothus florabundus
Ceanothus gloire de Versailles
Ceanothus ovatus roseus
Cænarrhenes nitida
Centaurea rugosina
Chamærops Moccini
Cheilanthes hirta
Chrysanthemum inodorum
Cocos campestris
Cocos mipaniana
Cyclobothra pulchella
Danthonia elymoides
Danthonia pectinata
Dendrobium calceolaria
Dendrobium citrosum
Dendrobium Denisonianum
Dendrobium Paxtoni
Doryopteris palmata
Eucalyptus maculata
Eucalyptus Watsoni
Eucalyptus Vernicosa
Euchryphia Billardieri
Eulalie japonica
Euterpe antioquensis
Euterpe ædulis
Epidendrum Macrochilum
Equinedium atropurpureum
Equinedium rubrum
Equinedium violaceum
Festuca dives
Galphinium nitida
Gladiolus purpureus auratus
Gladiolus Saundersoni
Gladiolus viperatus
Gongora aureo-purpurea
Griffinia hyacinthina
Gymnogramma lauchiana
Gymnogramma sulphurea
Gymnogramma tomentosa
Habranthus Bagnaldi
Habranthus pratensis
Hæmanthus albiflorus
Hedera marmorata elegans
Helianthus cucumeriæfolius
Hernionitis cordifolia
Hesperia populnea
Hydnophytium fornicatum
Laclaria calicarpa
Lawsonia alba
Magnolia alba superba
Magnolia cordata
Magnolia conspicua
Magnolia Fischeri
Magnolia Norberti
Magnolia triumphans
Magnolia Yulan Thompsonianum
Martinezia disticha
Martinezia Lindeni
Matricaria eximea
Maxillaria lutea alba
Maxillaria picta
Morenia corallina
Mosospinidium sanguineum
Narcissus Ajax bicolor moschata
Narcissus cernuus flora plæno
Narcissus incomparabilis plæno
Narcissus incomparabilis aurantiaca
Narcissus intermedius
Narcissus intermedius bifrons
Narcissus japonica
Narcissus junceæfolius
Narcissus nanus minor
Narcissus odorus
Narcissus odorus majus
Narcissus odorus minor
Narcissus obsallaris
Narcissus ornatus
Narcissus pulchellus
Narcissus tazetta lacticolor
Narcissus tazetta nobilissima
Narcissus tazetta papyraceus
Narcissus trewiana minor
Nephrolepis tuberosa
Nymphæa lutea
Nymphæa octora
Obeliscaria atrosanguinea

Odontoglossum Cervantesi
 Odontoglossum grande
 Odontoglossum Pescatorei
 Odontoglossum pulchellum
 Oncidium hypnematicum
 Oncidium lanceanum
 Ornithogalum aureum
 Ozothamnus Gravesi
 Phædronassa gloriosa
 Phœnix tenuis
 Phœnix zelanica
 Pinus Elliotti
 Podocarpus Donniana

Poinciana pulcherrima
 Prosopis juliflora
 Prosopis pubescens
 Rhododendron calophyllum
 Scilla triandra parviflora
 Sophronites grandiflora
 Tacsonia exoniensis
 Trichonema bulbococleum
 Trichonema ramiflora
 Trillium grandiflorum
 Trillium pendulum
 Tropœolum Moretzianum
 Typha bicornis

Dahlias.

A la Mode
 Annie Rawlings
 Alexander
 Amy Creed
 Annie Hobbs
 Arborea
 Bluebeard
 Chairman
 Countessa of Pembroke
 Crimson King
 Decoration
 Don Pedro
 Edward Purchase
 Florence Pontin
 Gem of Dwarfs
 German Daisy
 Golden Canary
 Guiding Star
 Hindo
 Hercules
 Hero
 High Sheriff
 Harward
 Henry Walton
 Imperial Yellow
 John Standish
 King of Primroses
 Little Beauty
 Little Dear
 Little Lydia

Model
 Maid of Essex
 Mr. Harris
 Magic
 Monarch
 Marchioness of Bath
 Nabob
 Ne plus ultra
 Osiris
 Oriental
 Ovid
 Paradise Williams
 Pearl
 Pluton
 Panorama
 Pet
 Pure Love
 Queen's Messenger
 Robert Lambert
 Rose Flake
 Sarah M'Millan
 Scarlet Gem
 Sunshine
 Titans
 Venus
 Viridiflora
 Washington
 William Eckford
 White Bedder
 Yellow Gem

Pelargoniums.

Beauty of Oxton
 Bridal Wreath
 Ceres
 Duke of Cambridge
 Distinction
 Eclipse
 Fairy Queen

Florinda
 Heartsease
 Letitia
 Mabel Siren
 Statesman
 Sir Percival Dyke

Fuchsia.

Lord Derby	Striata splendens
Prince of Orange	White Souvenir de Chiswick

Colens.

Ambassador	Masterpiece
Butterfly	Mrs. Kirton
Hero	Quadricolor
Laciniata	

Lilium.

Alternans	Thunbergianum fl. pl.
Atrosanguineum	Thunbergianum citrinum
Browni	Thunbergianum cruentum
Candidum fl. pl.	Thunbergianum grandiflorum
Carnolicum	Thunbergianum macrantium
Humboldtii	Thunbergianum venustum
Paroum	Vitellinum maculatum
Pinifolium	Umbellatum atrosanguineum
Takesime	Umbellatum punctatissimum
Staminosum	Tigrinum splendens

Mountain Peony.

Compt de Bombuseau	Lilacina
Clara	Madame de Vitry
Emilie d'Italie	Modesta
Edworthi	Pride of Hong Kong
Fortscrit	Parviflora
Imperatrice Josephine	Sericea purpurea superba
Leopold d'Italie	Triomph de Gand

Apples.

Bellefleur	Irish peach
Caroline red, June	Juliana
Carter's blue	Kittagaska
Hoary morning	Tête de Chat
Haute bouté	

Pears.

Ah Mon Dieu	General Tottleben
Baronne de Mello	Lawrence
Besi Veat	Marie Guise
Beurre de l'Assumption	Madame Appert
Beurre de Ghelin	Madame Babiliste Desportes
Beurre Hardy	Madame Lorie de Barny
Beurre L'Inconnu	Marechal de Cœur
Colmar d'Été	Oliver de Serres
Deux Sœurs	Paradise Autumn
Desire Cornelis	Robert Hogg
Doyenne d'Alençon	Saint Michel Archangel
Doyenne du Comice	Souvenir de Congress
Duc de Nemours	Sucre verte
Elisa de Heyste	Verte Longan

Plums.

D'Agen

| Imperatrice de Milan

Cherries.

Beauman's May

| White Bigarreau

Vines.

Auger's frontignac
 Bicane
 Black champion
 Black muscat
 Chasselas de falloux
 Chasselas de musque
 Chasselas de rose
 Chasselas royal
 Champion muscat
 Early summer frontignac

Gros Guillaume
 Gros Colman
 Gros Maroc
 Ingram's hardy prolific
 Madeira frontignac
 Madresfield Court black muscat
 Royal Ascot
 Waltham cross
 Winter muscadine

F. ABBOTT, JUN., *Superintendent.*