

the 1990s, the UK has been the only country in the world to have experienced a decline in the number of people aged 65 and over. This is due to a combination of factors, including a decline in fertility rates, a decline in life expectancy, and a decline in immigration. The decline in fertility rates is the most significant factor, as it has led to a smaller cohort of young people entering the population. The decline in life expectancy is also a significant factor, as it has led to a smaller cohort of people aged 65 and over. The decline in immigration is also a significant factor, as it has led to a smaller cohort of people aged 65 and over.

The decline in the number of people aged 65 and over has had significant implications for the UK economy and society. One of the most significant implications is the decline in the number of people in the workforce. This has led to a decline in the number of people contributing to the social security system, which has led to a decline in the number of people receiving social security benefits. This has led to a decline in the number of people aged 65 and over who are able to support themselves, which has led to a decline in the number of people aged 65 and over who are able to live independently. This has led to a decline in the number of people aged 65 and over who are able to live in their own homes, which has led to a decline in the number of people aged 65 and over who are able to live in their own homes.

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Miss Drake del.

M. Ganci, lith.

Published by J. Ridgway & Sons, 169, Piccadilly, 1840

Printed by P. Colver, 9, North, Cross, Street, 1840

The first part of the book is devoted to a general history of the United States, from the discovery of the continent to the present time. The second part is a history of the individual states, and the third part is a history of the federal government.

The first part of the book is divided into three volumes. The first volume covers the period from the discovery of the continent to the end of the eighteenth century. The second volume covers the period from the beginning of the nineteenth century to the end of the Civil War. The third volume covers the period from the end of the Civil War to the present time.

The second part of the book is divided into three volumes. The first volume covers the history of the New England states. The second volume covers the history of the Middle Atlantic states. The third volume covers the history of the Southern states.

The third part of the book is divided into three volumes. The first volume covers the history of the federal government from its formation to the end of the eighteenth century. The second volume covers the history of the federal government from the beginning of the nineteenth century to the end of the Civil War. The third volume covers the history of the federal government from the end of the Civil War to the present time.

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SERTUM  
ORCHIDACEUM:

WREATH

THE MOST BEAUTIFUL  
ORCHIDACEOUS FLOWERS;

SELECTED

BY JOHN LINDLEY, F.R.S.

PLANTER OF WREATH IN COMPANY AGRICULT. LONDON, AND OF THE GARDEN AND GREENS OF  
LONDON AND LONDON, ETC. ETC.

LONDON:  
JAMES HIGGWAY AND SONS, PICCADILLY.

MDCCCXXXII.

1832

MADE IN GREAT BRITAIN.

W. H. G.



TO  
THE MOST NOBLE  
WILLIAM SPENCER CAVENDISH,  
DUKE OF DEVONSHIRE, K.G.

1801

THE UNIVERSITY PATRON OF THE  
THE FRIENDLY INTEND OF SCIENCE,  
THOSE ARTS AND MAN  
BY THE CHAIRMAN OF THE COLLEGE OF THE  
CHILTSWORTH

WE BEEN CREATED FOR THE BENEFIT  
IN THE HEART OF THE MOST NOBLE DUKE OF DEVONSHIRE

THIS HISTORY

OF THE MOST NOBLE DUKE OF DEVONSHIRE

OF HIS PATRONAGE OF THE

OF THE ARTS AND MAN

THE HISTORY

OF THE MOST NOBLE DUKE OF DEVONSHIRE

THE HISTORY





FRONTISPIECE.

A WREATH OF EAST INDIAN ORCHIDACEÆ.

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The figures here given comprehend magnified views of the flowers employed in forming the wreath selected as a frontispiece to this work. The numbers in both cases refer to those in the following descriptions.

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I. MONOMERIA BARBATA.

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*Monomeria barbata.* *Genera & Species of Orchidaceæ, page 61.*  
*Dendrobium tripetalum.* *Wallich mss.*

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All that is known of this rare and very curious plant is derived from a drawing and some imperfect dried specimens brought from India by Dr. Wallich, who found the plant in Nepal in the year 1821.

Its chief peculiarity consists in the absence of petals; a very curious and unusual circumstance in this natural order of plants. Dr. Wallich indeed represents them to be present in the form of a  
*Frontispiece.* a

spike, but interrupted on each side of the rachis between the upper and lower spikes, as is shown in the accompanying figure, No. 1. and I have not been able to make out the form of the first and last stamens brought up as in our series.

The plant has quite the form of a large *Salicophila*. From a large creeping root numerous spring up considerable numbers of the stems, as at first covered with the narrow leaves of the under set of which they originally proceeded, and is about two inches long and broad a single leaf. The leaves are rather less than a line long along the edge, very green over the surface, a narrow smooth vein the flattened bottom is nearly as long as the cord. The surface is rather shorter than the leaf itself, protruding from the base of a pseudo-bulb, four green spots with dull purple, with several two shining scales, when the top of the leaf is over. Each staminal sac is fully expanded a point an inch long, with the upper and lower parts extremely wide, except to the base of growth. Of the stamens the upper staminal sac contains entirely pure and entire much shorter than the two second ones, which are placed below the upper, each united with each other at the base where they are four upon the long feet of the rachis in such a way as to form a kind of four upon the outside they are very light green, smooth and dotted with light purple, on the inside they are hoary yellowish, and strongly spotted with bright purple. The stigma appears to me to be white almost, and as Dr. Wallich says they are represented as two rounded lobes. The filament is articulated with a very long foot, at the summit horizontal to yellow above, and the base of the filament being dilated and articulate, the filamentous are united, with four transverse articulations, instead of two, parallel with the ovary. The column is about half round, attached at the base into a long slender curved foot, on which the reproductive column is inserted, it is the two upper angles of broad processes, one sharp point. The ovary is elongated, somewhat, with a fleshy outer coat. The pollen masses are four, on the same plane, the two nearest being the most, and the remotest into a transverse one, without the slightest trace of a rodent or a gland.

Fig. 1 of the above description represents a flower of this plant much magnified, with the root exposed.

## II. SACCOLABIUM ACUTIPOLIUM.

*Saccolabium acutipolium*, *Genus & Species of Orchidaceous Plants*, p. 213.  
*Acetia acutipolium*, Wallich, *ms.*

A pretty epiphyte inhabiting the East Indies, and is present here only from a drawing in the possession of the East India Company, of which, with all the other flowers of the month before us I have been permitted to take copies.

Its roots are about six inches long, and are covered by numerous leaves, as depicted in its arrangement in two rows. Each stem is more than six inches long, consists of eight or ten sheaths, along its length, very acute, quite flat and even, and apparently fleshy. The flowers appear in small, upright, placed on stiff peduncles, from two to three inches long, and emerging

#### IV. CHLOROCYSTA USNEOIDES.

*Chlorocysta usneoides*. *Genera & Species of Archibotryous Plants*, p. 219

*Epidendrum usneoides*. *D. Das Prodrum Flora Nepalensis*, p. 37

*Annalen botan. botanik*. *Waldschl.*

The lower part of the sporophyte on the left end, consists entirely of the ovary or plant, when green elongated seeds to rise in a plane of leaves, of which organs it is not apparent to possess a root. The middle part of the sporophyte consists of the prothallium which remains adapted one sort of a plant to perform the office of mother, as if the detached or display of the seed and its variety of her resources. We must the green appears to usually arranged upon the stem in the form of a leaf, and not one so more degree to find than an end deprived of a stomach, without the pale and size: but there which we find roots, a plant can be more find than an animal deprived of a mouth, but by enclosing it in a mass, animal is here organs are not, the root is made both to feed and to give it its proper nature, and it is to be found in degree from a leaf. That this is the case in the present case is to be seen, or what extent under the development of such different organs as root and leaf is often to be ascertained, by some one who can observe the plant in a fresh state.

Dr Wallich found it in 1838, growing on the trees in Nepal, in many different places, and described it in the following effect:—Flores consisting of numerous corolla of long, fleshy, glaucous, simple flowers. Of leaves there is no trace. Racemes numerous, arising from the crown of the root, &c. from the centre of the moist forest, from six to eight inches long, erect, and fleshy. Perianth brownish, simple, oblong, at each leaf. Stamens with a few alternate membranous anthers, which are small, or globose, acute, deciduous, and densely clothed with herbaceous soft setaceous erect hairs, which growing as a dense cover, the flowers become obscure when old. Filaments stalked alternate, the one and colour of Linnæus of the Valley, but seedless, arising from the base of the anther, and set on the lateral sepals, arising by three whole lines to a long foot, when open the one of the column almost at a right angle. Linnæus standing at the neck of the flower, the base of the base and slightly convex, very small, attached to the extreme point of the foot of the column. Sepals simple, erect, pointed, brown, erect, at the apex, the lateral lobes linear, pale, acute, but in the middle two-toothed and mucous, or rather meeting, the plant being supplied by one little ovulate tooth. Corolla very short. Anthers sessile, deciduous, acute, two-toothed. Perianth-linear two, rounded, terminated at the back, waxy, smooth. Carinae two, linear long, somewhat cylindrical, pale, curved. Ovary. The four lateral lobes of the perianth being inserted at the base of the main elevated ascending base of the column, so that the middle of the six sides of the column cover very little of the margins of the perianth, which occupy the middle of the column, and be placed at a right angle. The very base of the column is surrounded by the base of the three ovulate ovaries.

Of No. 6, the left hand figure represents the lateral view seen in front, and that on the right a single flower in a single view.

But the stem on the side opposite a leaf, they are about three-quarters of an inch in diameter. The axilla and petiole are striate, white, spreading, yellow and hairy of ripe age. The axillaries & side petiole continue to the base, where it has a rounded base on each side and the beyond the base, enlarging into a somewhat triangular three-lobed fringed plate.

Fig. 5 represents the common outline of the petiole, captured from the drawing above mentioned.

### III. VANDA CRISTATA.

*Vanda cristata. Genera & Species of Orchidacean Plants, p. 216.*

The species has very much the manner of growth and appearance of *Bombacium guineense*, but to flowers are usually different. The *Walden* form of it is known 1888, growing upon rocks at Nevis. It was also obtained on April 1st 1889, near St. Joseph, on which occasion it was discovered in an excavation at the following locality. "Plat. composite rubro-rosea". It is the characteristic condition, rather extraordinary general with the other individuals." The following is the translation of the more recent parts of the description referred to.

The roots are about as thick as the side finger, nearly smooth, excepting from the sides near the stem thick tapering fibres, arising to the left of the stem. The *Vanda cristata*, to which plant I have made reference in habits and leaves. The stem is very well covered up, no-entirely smooth, but by means of a covering of the stem, coming downwards, toward on the upper side, very sharply edged from first to one inch long and another of an inch wide, flattened into obliquely, somewhat at the ends. The internodes are cylindrical, generally three or four in the stem, and sometimes six or eight, and bearing first five flowers, (in the figure and specimens before me the petals are in the flowers). The stem is six or seven, tapering to the base, and the stem being to the base a few flattened leaves, together with one broad one, which is the only one to which each petiole. Flowering up, being, yellowish green, with a very large purple lip. *Species cristata*, the roots, spreading, rather more about half an inch long, being shorter, in three cases extended to, the curved the ends of the *specimen* at the stems. The slightly extended side of the ribbons. Petioles very large. *Leaves* very thick, striate at the stem, and extending to a very short broad elongated stem, arising to the back base of the stem, with an oval, oblong stem base or root side, spirally extended into its along handle, with sometimes either the petiole a small erect stem, and the stem a stem or sometimes lower ranging on stem or four irregular cylindrical petioles, on the base of the upper stems, it is covered with several lines, for the reason it is a stem, near it a strongly striate with purple white lines. *Col.* the stem sides thick smooth. *Axillary* base, rounded not less round as the stem. *Petioles* are very glaucous, sometimes at the base, (to be a short white cylindrical, and a very large rounded, *leaf*, *Orchid* is a stem broad projecting stem.

Fig. 5 represents the ribbons and, within from a drawing being by the *Hand* *of* *the* *...*

*Handwritten note*

## V. SUNIPIA BICOLOR.

*Sunipia bicolor* *Genera & Species of Orobanchaceous Plants*, p. 179.  
Austral. aboriginalism. *Welfel* nom.

Known only from a drawing in the library of the Hort. Trian Company. It is a native of Nepal, having been so listed in a catalogue by Dr. Walp.

It forms a small patch of green succulent stems, about as large as *sunipia*, each of which is terminated by a dense oval of glaucous stalked flowers near, three inches in length. The flowers are erect, rather longer than the leaves, and impinge from the base of the peduncles; they bear about six small, sessile flowers, arranged upon a flattened axillary stalk, each of which is subtended by a succulent tuberculous bract, larger than the short calyx or corolla. The stamens are white, slightly exceeded by the purple, ovate anthers; the two basal ones being narrower and not so large as the others, paired parallel with each other below the  $1/2$ , and slightly adnate by their margins. The pistils are white, erect, lateral rather more than to be as short as the stamens, with a faint purple streak at their base. The LABELLUM is deep purple, and when set with a very acute lobe of the middle; the general outline is convex, in the middle it is flat and fleshy, and increased by a marked flange, at the margin it is cordate, at the apex rounded and emarginate, just above the base there is on each side a small erect awl. All these things are described from the leaf or drawing above referred to.

Fig. 2. represents a magnified view of the flower after the sepals are cut off.

## VI. SACCOLABIUM CALCEOLARE.

*Saccolabium calceolare* *Genera & Species of Orobanchaceous Plants*, p. 223. *Botanical Register for 1828*, *supplementum* *Walp.*, no. 139.

*Gastrochilus calceolaris*. *D. Don Prodrum Florae Nepaliensis*, p. 32.

*Aristolochia calceolare*. Smith in the article *Aristol.*, in the *Supplement to Reed's Cyclopaedia*.

*Aristolochia leopoldina* *Walp.* nom.

A native of Nepal, where it was found by Dr. Walp., growing upon trees at a place called Tera, and flowering in March. It is not conspicuous for the showiness of its flowers, but it is exceedingly pretty when many are seen, as flowers being found to be elegantly spotted and fringed if observed with a little care. It exists in the collection of His Grace the Duke of Devon.  
*Portugal.*

it is, and found it throughout a year or two since, having been recorded by Mr G. in 1841, on the *Knaveon*. It is at a distance of 400 feet growing on rocks.

The follow up is the description of Dr. Wallis's description of the dried plant.

*Stems* upright, thick, cylindrical, long, and smooth, as in *Stemmatococcus guttatus*. Leaves about five, compressed, mainly concealed by the sheathing bases of the leaves. Leaves close together arranged in two rows, linear, concave, smooth, a foot or more long, with only one or two inches at the point, generally rising upwards and curved to one side so as to present a somewhat three-angled, thick, single y-chaire set, with a narrow margin at the outer side. The stem is at short, compressed, and finely dented with rugae. *Corolla* short-tubed solitary or two, each consisting of two lobes to extend forward into a very dark clavate pedicel at each side of the long, very spreading, upper, spotted with purple. *Stamens* middle-sized yellow-green, most deeply spotted with reddish purple spots. *Stamens* spreading distinct fleshy and with some who elaborate, stamens which curves at its base, about four lines long. *Petal* a rather narrow and more round. *Lacinia* a large, long-shaped, lobes as large as the upper, smooth, entire at the margin, truncate and almost circular at the mouth, pale yellow with a transverse plate, of a somewhat reflexed figure, marginal lacinia with a base, a little below the middle of the lacinia, more white, yellow and spotted with purple at the middle, and towards above with white lines. *Claw* very short, entire. *Stigma* a small, short, entire, with two milks, sometimes half divided into two other lobes, at front extended into a long, dark-tinted, gland as present appear to be distributed along the sides. *Pedicel* a small, long, gibbous with a little extension on one side, stretched into a long slender stem.

Fig. 4. Represents a single flower seen from the side, only, and magnified.

## VII. AERIDES DIFFORME.

*Aerides difforme* Wallis in *Genera & Species of Orchidaceous Plants*, p. 242  
Orchid. rubigin. Jacq. n. Wallis 1841.

This is one of the most easy to flowers among the most & range least present in India, and is more or less present throughout the range of a high range.

It inhabits the mountains of the N. E. part of the range, and was first seen in March, 1841, in the District of Calcutta, where it flourished in the following May. No occurrence of it has been seen since, especially when assisted by a detailed account, given in the following shortly thereafter, from Dr. Wallis's *Local description*.

The plant has scarcely any stem, but consists of three or four very broad, oblong spreading leaves, about six inches long by two and a half broad, of a thick fleshy substance, it is her glaucous colour, a very thin membranous margin, and an acute oblongly ovate point. From the roots of these leaves spring out at two half inches, but sometimes it may be an inch or more, their petioles taper, distal, and somewhat fleshy. The roots are few, fibrous, horizontal and very, white in the base. *Flowers* solitary, rather small, unimbricated, to extend very a little

colored with green, and streaked with dull, yellow forming an oblong space about the length of the finger, seated upon slender pedicels about an inch in length, with a small membranous sheath at the base. Stamens and pistils all turned towards the same side, spreading  $4\frac{1}{2}$  in, of the former the lateral are somewhat filicoid, anacoid, green next on their outer margin, scarcely extended beyond the end, obtuse in the case of the  $4\frac{1}{2}$ , the latter are linear, shorter, obtuse. Lacinia is placed at the back of the flower and hanging down upon it, it veined in the middle into two parts, of these the lower (or opposite) one is perpendicular, not extended in front into a long gradually pointed spur which curves upwards and is closed by numerous setae here, white to orange, of a dull purple, is curved upwards—the upper (or opposite) is broad, kidney-shaped, veins slightly perpendicular, with an intermediate point, dull purple with a yellow border divided into fingered or tooth and an acute sigmoidal crest through its centre. The corolla is erect, thick, purple, very short, opening opposite into a narrow space, and extended downwards into a short foot. The stigma is large, oblong and extended into a large projection from the upper edge of the antheroid. The anther is oblique, obtuse, not crested, and extended in front into a flattened plate which covers over the end of the gland. Pollen masses are, round, oval, deeply trochoid at the base, attached to a long broad caudicle.—Note: The structure of this singular flower is so very curious that it is extremely difficult to describe it correctly. The lateral seeds are seated because the stigmas extended back of the corolla and together with the margin of the opposite one form a very short spur, which the same compression and like space is seen by the apex of the same part.

Dr. Wallich named the plant *Onchocarpus*, as Benthall is of course by the appearance of the corolla and anther, which together resemble very much a duck's head. I have however seen several with *Asteris*, for the present at least.

Fig. 7 is a complete flower, about three times the natural size, copied from Dr. Wallich's drawing.

## VIII. SUNIPIA SCARIOSA.

*Sunipia scariosa*. *Genera & Species of Orchidaceous Plants*, p. 179.

*Orchidaceum bracteatum*. Wallich 1808.

This, the last subject in this series, was also of the others found by Dr. Wallich, was met with on May, 1808, growing upon the branches of trees at Yana in Nepal, where such epiphytic orchids are very common, whence the name *Sunipia* was taken by Dr. Buchanan Hamilton. It is however which were described from that traveller's papers by the late Sir James Smith in *Botanic System*, under the genus *Stelis*, appears to have belonged to the genus *Dalrymplea*.

A very young and minute Linnæus specimen of living specimens of this plant, by Dr. Wallich, is referred to in my *Botanic System* in part, which may add to our conviction as to the correctness of what I have written in my *Botanic System*.

The young specimens are so small as to be almost invisible, and from an entire I have been told seems to be general by numerous perpendicular veins, and a very hard crust of lime from their being in abundance of a very porous and calcareous nature, which are almost entirely absent in a cultivated



by a single end. Each *stria* is short but rather long and lanceolate, flat, widening from several double notches at the point, and at the base contracted into a short cylindrical portion. The *striae* spring from the base of the pedicels, and are very slender, erect, rigid, horizontal grooves, twice as thick as a piece of hair, and slender, with a few long striae shooting outwards. They are terminated by distal four corners, which are drooping, and about an inch long. The *striae* are exactly opposite on a cylindrical surface, pedicels being nearly parallel with the distal ends, which is in fact somewhat below each flower of a single *stria*, dry, erect, narrow, somewhat flattened, and somewhat squarish, and an *stria* arises from each side. The *striae* are two-angled, much shorter than the leaves, and partly hidden by them. The *striae* are erect, dense, slightly curved with joints, the lateral ones are upright, and placed near the roots, at the base of the *striae*. The *striae* are roundish-oval, white, very erect, three to short and a *stria*. The *striae* are in flower, a rigid web joint, narrow-shaped, broad, more shorter than the *striae*, and a *stria* of solid near the base where the *stria* is short erect, *stria* being somewhat the appearance of a *stria*. The *striae* are very short, not at all extended at the base into a foot, not quite continuous with the *stria*, at least, it is hollow, not into a *stria*, and at the summit it bears the *stria*.

It is from the very peculiar structure of the *striae* that the genus derives its prototype, and a *stria* is *stria*. Instead of being loose in the water, being by its back, and opening at the *stria*, under side so as to show the pedicels, it is so situated down by its feet that the later operation becomes impossible, and in order to prevent the escape of the pollen, the *stria* is virtually, so that when their tubes are *stria*, the pedicels are at each end opening in their parts. The *striae* are made themselves are four inches in two parts, as according to measurements made by me twenty years ago, for I have not seen them since, they are watched in two *striae*, the nature of whose structure with the *stria* is not yet known.

In fig. 8 the left hand figure represents a side view of a flower much magnified, while the right is a front view showing the position of the pedicels and anthers when unfolded.





*Stanhopea Peroniensis.*





## STANHOPEA DEVONIENSIS.

5. *Distichos*, from oblong 5-nerved striated acute petiole near base sessile, lobello medio quam racemum contracto, hypochaeris subrotando antice basi gibboso marginibus carinosis dilatis replicatis, epichlois ovata orbiculato apice sessile tridentata carinulis duabus hypochaeris antice equis, calicem margine parvis dilatis subparallelis.

Contente Catechil seu Lyonia. *Hernandez. Natur. rar. rar. Aug. p. 205.*

Angulus Hernandezi: *Kunst. eyoge. t. 332.*

Maximam Lyonia. *Gen. et sp. orch. p. 131.*

The whole *Menzies* *Orchidaceae* plant known for the first time in this country, at the opposite end of Chatham, in the beginning of August, 1807 and certainly more scarce was a more common, viz. that when it expanded its large web long-angled blossoms, in all the positions of these singular form and deep red color. The full blown flowers measured four inches and a half across, and exhibited a very agreeable colour, resulting from a combination of Chatham, in H. Europe, and the perfume called Marsh-mallows.

I cannot doubt that this was the same *Teva* flower of Hernandez, when his *Spur* note at it is not a combination of *menzies*. The flowers, he says, are of a white colour, on the side and confined parts. He compares the roots, however, to potatoes, as to a fig will grow, in the same part of the plant as potatoes, in roots and the trunk of trees but he adds that it is cultivated for the sake of its leaves, which are more pleasing than water can describe, in the present state, it is the fragments of a fly, of which we probably must see *Mentha* by a former Spanish flower.

From all the species of the striking genus *menzies*, it differs, as Mr. Pallas has remarked to me, in the leaves which terminate the upper side of the leaf in the lower end in a long through hole, in some cases, but long, at times, falling down the petiole. Independently of this circumstance, it is distinguished from all the varieties of *S. longus*, by its much larger flowers, and by the absence of its long, or long, central stem, in comparison with the species, in my collection of a very different level of *menzies* in full in the same *S. Devoniensis*, it is the base of its stem, the stem of *menzies* being deeply and strongly marked. It approaches more nearly to *S. longus*, another *Menzies* plant the root of it is in beauty, which is what is appear to Mr. Boscovic's name, but in the same species the *Orchidaceae* of *Menzies* is *Centrosema*, it is the species in the middle of the *menzies* root and more nearly open, whereas both the upper and lower part of the same organ are much broader and the *menzies* *menzies* in *menzies* at *menzies*.

In the form and manner of flowering of the species there is nothing particular to notice beyond its general resemblance to *menzies*. The following is a description of one of the flowers.

*Menzies* *menzies*, stem a pinkish white, in several places, and at the same end in *menzies*, two inches and a quarter long by an inch and a half in width, three around, above clear green, below red, spotted with deep brown, reddish-brown towards the end of the stem. In which the *menzies* is a leaf. Petals a mag. narrow, very very acute, on the end and three-quarters long by one-third in width. The web is smooth, round each of the points, at the same end with the upper, at the end of the stem, and a line of four, at the end. Lip white, very fleshy, in *menzies*.









*Burlingtonia venusta.*









the 1990s, the number of people in the UK who are aged 65 and over has increased from 10.5 million to 13.5 million (15.5% of the population).

There is a growing awareness of the need to address the needs of older people, and the Government has set out a strategy for the 21st century in the White Paper on *Ageing Better: Our Future* (Department of Health 1999). This sets out a vision of a society in which older people are able to live well, and to contribute to society. The White Paper sets out a number of key objectives, including: to ensure that older people are able to live well, and to contribute to society; to ensure that older people are able to live independently; to ensure that older people are able to live in their own homes; to ensure that older people are able to live in their own communities; to ensure that older people are able to live in their own countries.

The White Paper also sets out a number of key actions, including: to ensure that older people are able to live well, and to contribute to society; to ensure that older people are able to live independently; to ensure that older people are able to live in their own homes; to ensure that older people are able to live in their own communities; to ensure that older people are able to live in their own countries. The White Paper also sets out a number of key actions, including: to ensure that older people are able to live well, and to contribute to society; to ensure that older people are able to live independently; to ensure that older people are able to live in their own homes; to ensure that older people are able to live in their own communities; to ensure that older people are able to live in their own countries.

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Wm. L. MacGill

*Dendrobium nobile.*

Wm. L. MacGill





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## DENDROBIUM NOBILE.

*Dendrobium nobile*, Gen. et sp. Orch. p. 50

The first knowledge that we had of this elegant epiphyte was from a German artist, J. G. de Crome, of the Hortacult. Society, who, from that drawing, made us know under the eye of Mr. Baines, the short character above referred to our notice. A first plant brought home by Mr. Baines was presented to Messrs. Lachaux, with whom it flourished for the first time, and in great vigor however, in February 1830.

*Dendrobium* is one of the hardiest of the Asiatic genera of this order, and I have D. nobile most abundantly in the collection of all Dendrobium. Its very roots are so strong and vigorous that they form a woody support, and in effect of the large green leaves is itself able to support the entire weight of the very stem and its flowers. The flowers are so loaded with density of texture, and grandeur of form, as first nodding as if their slender stems were unable to support their weight, and then, as they descend, the numerous folds, containing a luxuriant perfume, vent to the exterior, and, by forming an apparatus of solid matter, they seem prepared to resist whatever is the violent force of the winds.

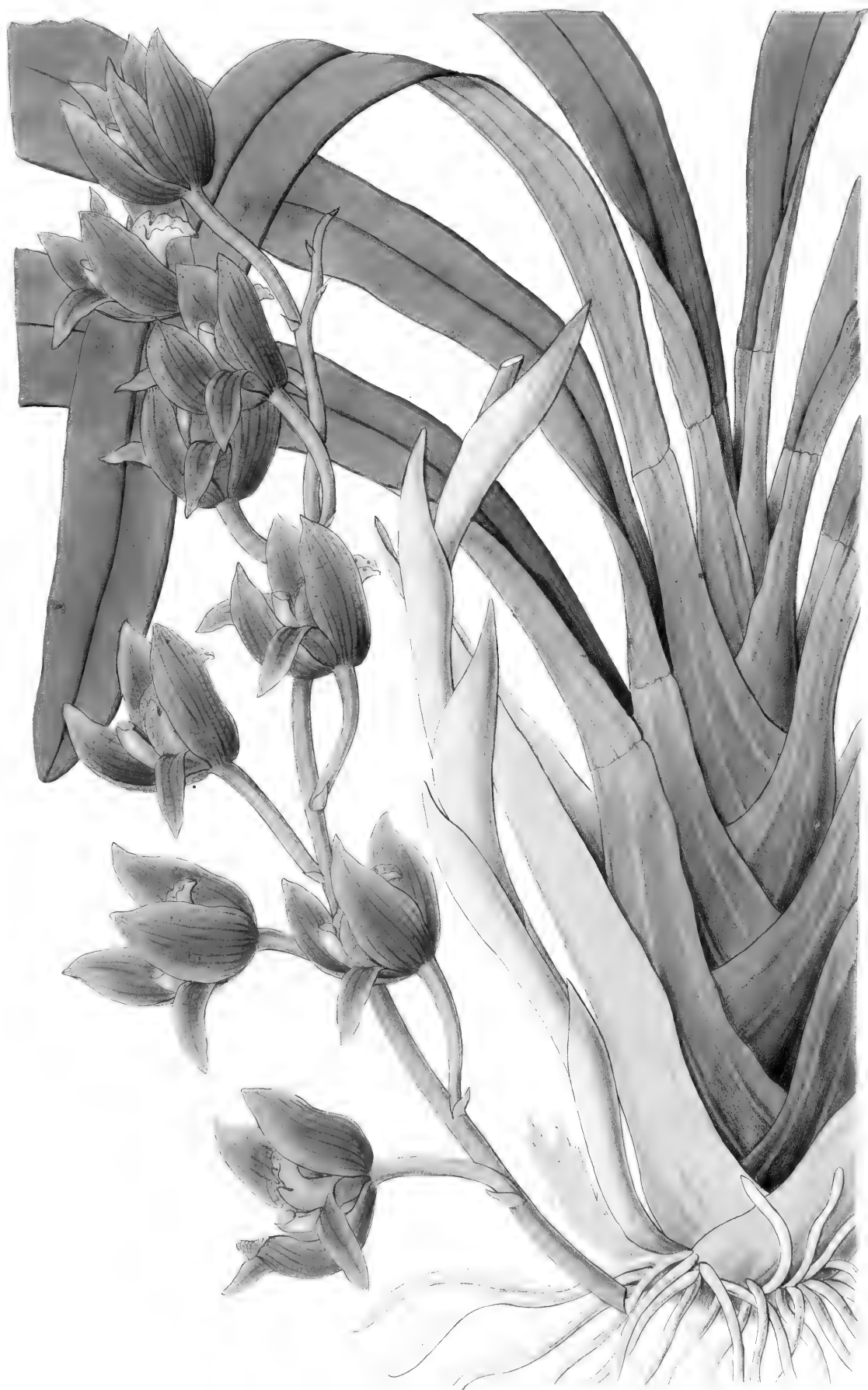
This plant is usually a leaf in D. nobile forms figured in the *Dictionnaire*, *Figure 1, 2, 3, 4* from wood of the flower, it carries a flower 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

It is not known to be a part of China, this species is found wild. Mr. Baines brought it from Malacca.

Stems erect, clustered, light green, a foot and more high, rather compressive, with dense, firm, jointed, joints about 1/2 an inch long. Leaves rather numerous, narrow, lanceolate, elliptical, ovate, from flat, entire, with thin, very transparent sheaths, which quite surround the stem at its base, and remain very elastic, as when the leaves themselves have dropped off. *Pseudobulbs* numerous, 2/3 flowered, bearing through the sheaths at their base, also very elastic, with short, numerous, very elastic, joints at the base of the pedicels. *Pedicels* when in bud, nodding, when expanded, become quite erect, open, two times and three-quarters across. *Sepals* five, by linear, nearly equal across, the lateral a very fine, engraved at its base, pale ground yellow, lined with rich, bright orange. *Petals* six, ovate, slender, very very, a broad and transparent, the same colour as the sepals. *Lip* called up, very oblong, very broadly lobed, and a wide, a firm, convex, with a deep notch in the middle, separating it into two distinct lobes, which the lower of the lip is very distinct, and very narrow, obscurely expanded, in colour deep blue, at the base pale green, at yellow at the apex, and deep yellow at its point, at the end of a very dense, quite purple, spreading along the centre from the apex, a thick line of fine, dark, dots.



The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry, no matter how small, should be recorded to ensure the integrity of the financial statements. The second part details the various methods used to collect and analyze data, highlighting the use of statistical techniques to identify trends and anomalies. The third part provides a comprehensive overview of the results obtained from the study, including a detailed breakdown of the data and a discussion of the implications for future research. Finally, the document concludes with a summary of the key findings and a list of references to the literature cited throughout the work.



*Cymbidium giganteum*





PLATE IV

CYMBIDIUM GIGANTEUM.

*Cymbidium giganteum*, Wallich's Catalogue, no. 7355. *Ges. et sp. Orch.*, p. 163.

This is the most striking of all the plants belonging to the true genus *Cymbidium*, and was first named "the gigante" when compared with other known species. It is a native of Nepal, and Kumaon, where it was discovered by Dr. Wallich in the year 1812. The accompanying plate has been prepared after a drawing made at the time of its discovery, and is exactly placed in its aspect for publication by the Horticultural Court of Directors of the East India Company. The plant sometimes is seen cultivated in our gardens, it indeed is done out abundantly near there.

It is to be observed that the spike of flowers is erect in the drawing, and it appears from the dried specimens deposited by the East India Company that this is the natural position. Their roots at the top stand erect; the culture of *Cymbidium giganteum* supposes that the flowers were produced in a *Cymbidium* shell, stem and others.

LEAVES square or two feet long, 3-nerved, narrow, strap-shaped, thick and tough, 4 lines at the base, where they are pale, strongly ribbed, and strongly indurated in a distichous manner: they never remain permanently after the leaves have dropped off them, and form a very flexible mass to the simple, creeping roots of the plant, eventually they give out fragments, and become more rugged, membranous. BRISTLES erect, closely covered in the base with some indurated rounded scales, changing into a spike about a foot long. BRISTLES short, erect, acute, scabrous. Ovary 10 to 12 inch and half long. FLOWERS rather short,淡 purple, terminal, very large for the genus. SPERMATOPHYTES, acute, erect, an inch and half long, many celled, very equal: the two lateral segments. PERIGYIA linear-obovate, acute, spreading, rather shorter than the sepals. LIP oblong, twice up of the base, 4 or 5 inches in the common compound, 3-lobed: the lateral lobes 10 to 12, the median, the intermediate, deep, rounded: the disk with two converging, ciliated lines 10, rising

a line of hairs that reach to the point of the lip, 10 to 12, and by two distinct heavy lines on each side. COLUMN 10 to 12, edged on each side with a serrated, rather, which adheres freely to the back, and hardly opens to fruit.









1. *Cattleya bicolor*, 2. *Lophronotis grandiflora*.

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry, no matter how small, should be recorded to ensure the integrity of the financial data. This includes not only sales and purchases but also expenses and income. The document provides a detailed list of items that should be tracked, such as inventory levels, accounts payable, and accounts receivable. It also outlines the procedures for recording these transactions, including the use of journals and ledgers. The second part of the document focuses on the reconciliation process. It explains how to compare the company's records with bank statements and other external sources to identify any discrepancies. This process is crucial for detecting errors and preventing fraud. The document provides a step-by-step guide to performing a reconciliation, from gathering the necessary documents to reviewing the results and making any necessary adjustments. The final part of the document discusses the importance of regular audits. It explains that audits are essential for ensuring the accuracy and reliability of the financial statements. The document provides a checklist of items to be audited and a description of the audit process. It also discusses the role of the auditor and the responsibilities of the company's management. Overall, the document provides a comprehensive guide to financial record-keeping and reconciliation, covering all aspects from initial recording to final auditing.



## CATTLEYA BICOLOR.

*Cattleya bicolor*, *Botanical Explorer*, plate 1919 in the letter-press.  
By double exalt, *Driscoll's drawings*, pl. 45, p. 165.

A very distinct Brazilian species of the charming genus. It is for the present only known from the drawings of M. Driscoll, who speaks of it as follows:

"The beautiful plant grows a great elevation in the mountains and forests of the Amazon valley, sometimes some 2000 feet high. I saw only flowers in the neighborhood of Boa Vista—Bomfim. The first I saw was for a great while, open in the middle of April, increasing to the great size of the present plate.

Stems reddish, or indeed greenish, with short slight spines, which put forth thick white, shaggy, tomentose or very woolly coats. Leaves reduced when young to a few long but long, ovate, simple, covered completely with dense white or long, dry, tomentose, thick strata of a woolly tomentose or of a more or less dense woolly coat, which are all thick, succulent, entire, very thick, ovate or a greenish or cloud green. Pseudobulbs prostrate, from a compressed, brown, green or purple speckle. The surface of the common peduncle pubescent. Flowers very large, well expanded, with a greenish brown, purple or rose-lavender, shining, veined corolla—the lip yellow-lavender, purple, variegated, covered the inner second or row of a row of five. Petals slender, spatulate, crisp, of the same reddish-brown colour as the sepals. Lip narrow, channeled at its base, which is pure white, forming a narrow entire margin for the middle of the arch, when it is flat or deeply crenate with purple, at the end where it is white and terminates in a sub-ovate, and forms a row. Edge of a single row, raised downwards and kept only elevated at the apex. Column very thick, broad, convex, more flat or slightly convex beneath. Discus white, striated, lengthwise with purple at the end. Sepals lanceolate, acute at the point. Pseudobulbs four, or five lanceolate compressed, several several at a corner, pubescent, three and rising to four inch of the surface, which is simple, white and convex.









The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry should be supported by a valid receipt or invoice. This not only helps in tracking expenses but also ensures compliance with tax regulations. The document further outlines the procedures for handling discrepancies and the role of the accounting department in providing timely reports to management.

In the second section, the focus is on budgeting and financial forecasting. It details how the budget is prepared and how it is used to monitor the company's financial performance against its goals. The document also discusses the various factors that can affect the budget and the strategies used to manage these risks.

The third part of the document covers the internal control system. It describes the various controls in place to prevent fraud and ensure the integrity of the financial data. This includes the segregation of duties, the approval process for transactions, and the regular audits conducted by the internal audit department.

Finally, the document concludes with a summary of the key points and a call to action for all employees to adhere to the financial policies and procedures outlined in the document. It stresses the importance of transparency and accountability in all financial dealings.



*Brafia macrostachya.*

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1870



1871







*Cyrtochilum stellatum*





## CYRTOCHILUM STELLATUM.

*C. stellatum*; pseudobulba duplyx oviformi compressa stratis inter squamas  
bracteolae carinatae aculeatis, foliis ligulatis ovatis acutis scapo tereti  
brevioribus, scapo tereti erecto basi vaginato, racemo disticho multifloro, bracteis  
carinatae cuspidate acuminatis glaucis ovatis longioribus, sepalis pedicellis  
longioribus acutis stellatis, lobello albugineo cuspidato acuto basi carinato stratis  
stratis, ovis coarctis et acuminatis integerrimis.

*Epiphyte* *Orizaba*. *Diary of Douglas*, plate 37 p. 51

This noble species of the genus *Cyrtanthus* is a nearly related to *C. flexuosus* of the *Botanical  
Magazine*, t. 1827, p. 183, of which it is much larger flowers, the sepals of which are by no means  
unusually, but only drawn to a short point, in the greater breadth of the pseudobulb, in its  
stems, very, but not so green and a few lobes being white instead of yellow. The following  
is the description of the plant by M. Desseverin in his manuscript work on the *Cyrtanthus* of  
Bonn.

This magnificent species is a species through the domains of Mexico and Honduras. It  
flowers in September and continues in that state till the end of January. It flowers but a week  
perfect, but the beautiful spikes, which rise at a distance make it resemble a mass of flowers  
stems with large stems, render it a most remarkable object.

Stems very thick, cylindrical, striated, arising provided at its lower part with numerous  
dry, adpressed, succulent scales, which by themselves support the bulk of the tallest ones over which  
springs to the extent of many feet. Pseudobulbs oval, a little compressed, bright green, ac-  
cuminate at the base with a solid neck, from the base rise the slender-shaped leaves, which are  
dense, oblanceolate compressed at their insertion at a point and without green nerves, yellowish  
green, moderately thick and not very firm among the distich leaves proceeds a raceme,  
which rises first very rigidly, straight, striated, violet, pinkish, and furnished at each leaf with a  
narrow very long sharp-pointed bract, which is white, tinged with violet and magenta. Flowers  
very large, spreading open, opening in two opposite rows. Anthers upon short green capitate ovaries,  
ascending from the base of the bracts, which ascend from the spike and almost not very obscure them.  
Stamens three, equal, long, very acute with a long, long, long, long, long, long, long, long, long, long, long,  
Pistils of the same color, broader, of rather oval form. Liliaceous, long, pointed, pointed wings at  
the base, very acute, with the ovary more or less, but much of course, y at  
to have very large of all species of, y, liliaceous, long, long, long, long, long, long, long, long, long, long,  
stamens, raised in position at the apex of the ovary, the ovary, the ovary, the ovary, the ovary, the ovary,  
a long, narrow, yellow, yellow, yellow, yellow, yellow, yellow, yellow, yellow, yellow, yellow,  
Anthers narrow, white. PISTILS narrow oval, pale yellow, attached to an oblong narrow  
guard.

The genus *Cyrtanthus* was originally proposed by M. Koehne in Hammett and Engelm.  
New Flowers of Mexico (Pithecolobium) & distinguished from *Orchidaceae* by its convex, as in almost  
which the same root formed. That character is however by no means sufficient to form any genus  
of species of which I have knowledge, and consequently, in mentioning *Cyrtanthus* and the  
synonymous arrangement of the genus, I have thought it necessary to alter the title here, and to allow it

... *conspicuous* with *Orthoceras* as would have been referred to *Quin* and if they had had a label  
... in. In the size of the chamber, the genus becomes truly more than an artificial character  
... of *Orthoceras*, and I am by no means sure that it can be preserved in its present state, especially  
... as many of the species have all the habit of *Orthoceras* proper. It is however impossible to have any  
... fixed opinion upon the subject in the present state of our information and therefore I abstain  
... upon this occasion from doing more than describing the present very remarkable species,  
... whose large apertures being nearly equal, is more characteristic for a genus than any thing in the  
... Series (p. 4).

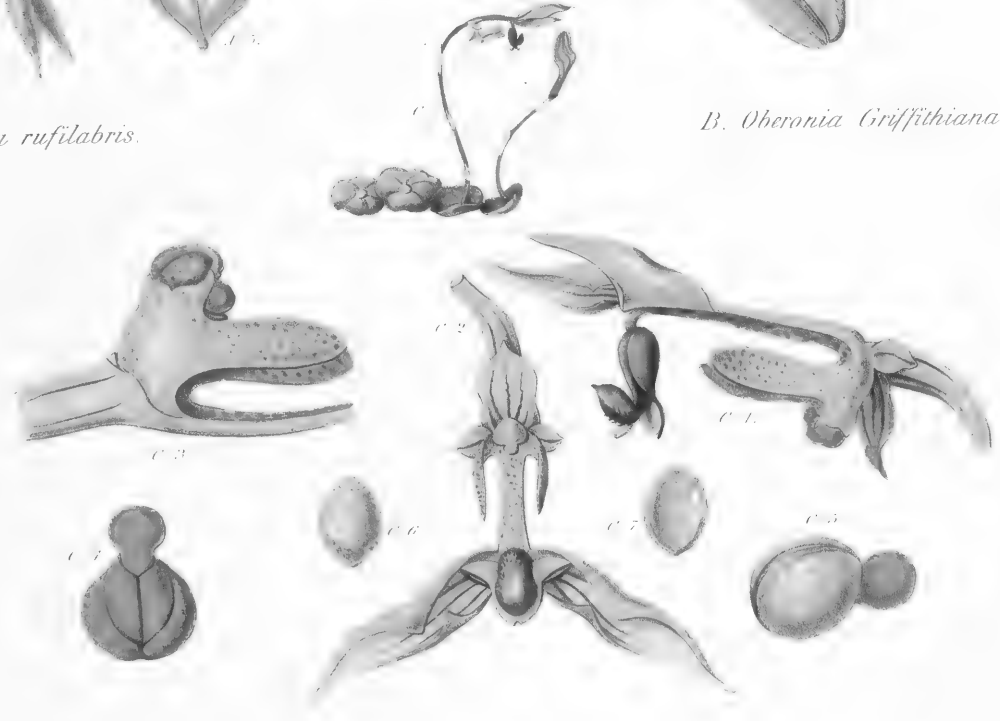
Several can problems and remedies might rather be referred to *Orthoceras* along with  
... *Orthoceras* as a variety of *Pyrgus*.





*A. Oberonia rufilabris.*

*B. Oberonia Griffithiana.*



*C. Drymoda picta.*

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## OBERONIA RUFILABRIS.

*O. rufilabris*, folia subultrata acuta, spoli sub-verticillati conapleti, bracteae ovatae  
 acutiuscula flabris dimidiis longioribus, petalis linear-lanceolatis acuta integerrimis,  
 liliis lobis non tuberculatis apicibus longiore, bracteis linearibus subultra  
 rioribus elongatis, apicibus lobis non tuberculatis.

All single it is not recorded in this work in a picture of flowers, unless plants which  
 are not being only for three common flowers, and the extremely remarkable forms of some species  
 are of them even more variety of 'accidents' but not more strange plants for which these parts are  
 easily detected. Such a case is the present, where a page is occupied by figures of three microscopic  
 Oederia, each of which is still more strongly furnished than the other and all so different from  
 other plants that can be seen about, and their own belonging to the vegetable world. If the  
 Bracteis have been noticed, one might have been told, but they do not of any other than  
 from their position in the plant, which are not in the same way as the other parts of the  
 a leaf or other of several flowers, are parts.

The great Oederia is a very good, only of small fine-haired species, resembling the structure  
 of the other parts of a leaf and being the same as of flowers. Bracteis are of very  
 quantity of white, and on the leaf, every thing Oederia is in the same way as the  
 a flower. The more dense the mass, the more the small flowers which have been perceived in the  
 Oederia, and parts of the leaf, and which were given out of some reason by the Oederia, the Oederia  
 was given. But only Oederia and Liliis, which are found in plants in the great Oederia  
 in every species, but which could furnish a specimen of one alone for the great Oederia of a  
 German scholar of the world and practitioners.

The two species are found over discovered in the German empire by Mr. Greville, a German  
 of great reputation from whose collection and collection the present collection may be  
 regarded in the Plant of the British possessions in India. The plants have been prepared from  
 the collection of Mr. Greville himself in the year 1800 and were compared with several specimens  
 collected in the same year.

Oederia rufilabris is a very small, slender, and long, being down from the branches on which  
 grows and in which it is only by its slender, three-like roots. The leaves are of very  
 very long and narrow, and are usually long and slender in the same way as the other parts of the  
 they are fine. Each flower is supported by a long and slender stem, which is long and  
 of the part into a very long and slender branch. The stem is three-sided, and is slightly  
 and slightly twisted at the end. The stem of the same size and shape supports the  
 the stem are very slender, and are very long. The stem is of the same size and shape of the  
 they are of a dark red colour and are very long. The stem is of the same size and shape of the  
 graduated tubercles or parts which project upwards from the stem, and the base on each side is a  
 slender tubercle, the apex is slightly curved, and is very long. The stem is of the same  
 extent, and the tubercles of the stem are very long and slender, and are of the same  
 as the stem, the apex of the stem is of the same size and shape, but it does not appear that the  
 as the stem, and is of the same size and shape as the stem.







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The second part of the document focuses on the analysis of the financial data. It explains how to calculate key financial ratios and metrics, such as the gross profit margin, operating profit margin, and return on investment. These metrics are used to evaluate the company's performance and identify areas for improvement. The document also discusses the importance of comparing the company's performance to industry benchmarks and providing a clear explanation of any variances.

The final part of the document covers the preparation of financial statements. It provides a step-by-step guide to the preparation of the income statement, balance sheet, and cash flow statement. It also discusses the importance of providing a clear and concise explanation of the results and any significant changes in the financial position. The document concludes with a summary of the key findings and recommendations for the future.



*Calanthe brevicornis*





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## CALANTHE BREVICORNU.

*Calanthe brevicornu*. *Genera & Species of Orchid plants*, p. 251.

As yet we know little of the Calanthe of the beauty of the east-west Indian genus, for neither of the two species we possess is suitable for conveyance to other parts of our empire, or even of the island. *C. purpurata* and *Brevicornis* have flowers in the same delicate colour as *C. crassifolia* and *C. pulchella*; they are elegant shapes, as *C. crassifolia* is single-flowered, and in the specimens now recommended, was neatly striped with horizontal lines.

*C. brevicornis*, it is said to be found where it was first discovered by De Walleet in the year 1825. From a drawing executed in the same collection, it is observed that the specimen of figure 26 has been prepared by permission of the Netherlands Court of Directors of the East India Company.

*C. crassifolia* is brought from India, under its true name, and is a handsome, elegant, dry evergreen, smooth, pointed lanceolate, wedge gradually taper off into a narrowing filamentous style, variegated, occasionally by several standing scales. The ovary is oblong, the ovules hang in the leaves mostly round, and into a few distinct scales. The margins are serrated and generally arranged in a regular row of the ovary, and are minutely, or acutely serrated, a slightly downy green, rather longer than the pedicels. The ovary is open, elongate, and downy. The stamens are inserted in a regular row, spreading small, concavo-convex, with dark light red. The carpels are inserted in a regular row, much united near the ovary, and into a very short smooth tube, or lateral filamentous, or a small, acute, but the middle one which is acutely, and sometimes with very deep notched point, reaching down the tube. It receives the style, and succeeding a slight, which is oval, but rather elongate, is closed in with a few reddish spots in the tube. The fruit is an elongate, many-seeded, opening at the apex, or a tube-like.

As to the general time we can scarcely at all, to possess more than two Calanthes in the gardens of this country, and to study more than *C. crassifolia* and *C. pulchella*. Two others will surely obtaining have been reported into Flinders and Holland, with flowers in various colours of which I was three years ago favoured by M. Auguste Macleod, a first species, a number of rare plants in Holland. I presume they are natives of Java, where many species exist, and they have been named by De Blume. One of them is not *Andropogon* either, but one of the species, some of which, we will determine, just mentioned, are large, with flowers of various colours, and in some cases, as may be called *Calanthe latifolia*. The other specimen I have seen, of the name of *C. crassifolia*, is a number of years ago, has a name, which is white, and long rhomboid, and is not a Calanthe, the Belgian government of *C. crassifolia*, but as it has not appeared here, the name is not the liberty of changing it to that of *C. crassifolia*.

The history of the discovery of *C. crassifolia* will enable us to observe the history of the species. *C. crassifolia*, however, has been taken, or taken from a garden, both in the island, and in the city, as well as in the mountains, where it is said to be common, and in the mountains, where it is said to be common, and in the mountains, where it is said to be common.

*C. crassifolia* is a species, and it is said to be common, and in the mountains, where it is said to be common, and in the mountains, where it is said to be common, and in the mountains, where it is said to be common.

*C. crassifolia* is a species, and it is said to be common, and in the mountains, where it is said to be common, and in the mountains, where it is said to be common, and in the mountains, where it is said to be common.

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry, no matter how small, should be recorded to ensure the integrity of the financial statements. The second part of the document provides a detailed breakdown of the company's revenue and expenses for the period. It includes a table showing the following data:

Category	Amount
Revenue	\$1,200,000
Cost of Goods Sold	\$750,000
Gross Profit	\$450,000
Operating Expenses	\$300,000
Net Income	\$150,000

The final part of the document concludes with a summary of the company's financial performance and a recommendation for future actions. It suggests that the company should continue to focus on cost reduction and revenue growth to improve its overall profitability.





*Schomburgkia crispata.*





## SCHOMBURGKIA CRISPA.

## SCHOMBURGKIA

*Sepala et petals conforma, pinnata, ovato-lanceolata, basi angustata. Lobellum diffusum, uncinatum, trifidum, ciliolatum, basi cum marginibus adpressis ciliolatis, supra laevi tuberosis (strigosis), vix a lamellis. Corolla marginata. Palmarum supra laevi tuberosis (strigosis), vix a lamellis. Columna marginata. Palmarum octo.— filamenta repens, striata, uncinata, pres lamelligerum. Folia coriacea. Scapi teretibus vaginatis. Bractea spatulata. Flores speciosi, numerosi, congesti.*

*S. crispata*, petals supra lobellum tubo transverso striato crispata.

The very handsome plants were at present to be confined to *Alston Guyton*, when the species were discovered by the noble naturalist Mr Schomburgk, after whom they are named.

*Schomburgkia* is easily allied to *Epidendrum*, from which it is best separated by its simple spatulate leaves, by its numerous lamellae adhering to the middle only at the base, and having below the middle a distinctly marked prominence, which corresponds with its expansion in the other side, and by having eight perianth-segments. In the same manner I trust to a drawing sent me by Mr Schomburgk, some of the specimens of other species being in a state to show the structure of the anthers.

*Schomburgkia crispata* differs the most from *Alston Guyton*, it was first met with on the bank of the *Cassipouira*, and occurred more frequently afterwards near the river *Bebera*.

The accompanying figure has been prepared from a drawing sent me by Mr Schomburgk and executed from dried specimens in my herbarium.

It has a stout round caudex, closely marked with five or seven scars, indicating the place of nodes that have fallen off. The ramifications are from four to six inches long, feathery, rather capitate from deep furrows, very hard, and covered chiefly for some two or three lines, beneath towards the apex, closely pointed scales. Each primary cell bears two lamellae, sometimes some smaller, about one inch long by two and a quarter broad. The scales are rounded, erect, nearly three line long, hard, stiff, completely covered with pure leaves, dry, closely pressed, sometimes minute or five-spined and gradually passing into spinaceous, spreading scales, which are much narrower than the scales of the stem, beneath they spread up about two inches long, but shorter than the crust. The flowers in a dense terminal raceme spreading about two inches in diameter in diameter. The stamens and anthers together about two inches long. Stamens and anthers bright light yellow, not united. Anthers about seven or eight long, and of nearly the same size, narrow, and acute. Lamellae pink, with a deeper coloured apex, membranaceous, a 2 or 3 lines long, broad two centes, and are not to the edges of the base, oblong, thick, with a prominence below the middle, and the vein is continued in the middle of the web-like web in some cases only, and nearly flat middle like web, transverse, narrow, very much creased. Calyxes about



was named for the lifeless work which was done and among them among them to me  
The second species already added to his catalogue the same parallel list, and was not  
with in the same manner. Mr. Schomburgk states that it differs in the smaller size of the prothorax  
to that of the species and parts being of a red-brown color, and bright yellow specimens  
of this, which I have received from it, however, enable me to give the following specific  
characters:

Concerning the family of *Chrysomelidae* with *Chrysomelidae* it may be expected that these two sub-  
phyla, by the force of the order in that part of America, will not be long unknown to our  
genus.





*L. acutis. ad.*

*Septotes serrulata.*

*M. Juss. det.*

*Septotes serrulata* (L.) Juss. *Septotes serrulata* (L.) Juss.  
*Septotes serrulata* (L.) Juss. *Septotes serrulata* (L.) Juss.

The first part of the paper discusses the historical context of the study.

The second part of the paper discusses the methodology used in the study.

The third part of the paper discusses the results of the study.

The fourth part of the paper discusses the implications of the study.

The fifth part of the paper discusses the conclusions of the study.

The sixth part of the paper discusses the limitations of the study.

The seventh part of the paper discusses the future research agenda.

The eighth part of the paper discusses the acknowledgments.

The ninth part of the paper discusses the references.

The tenth part of the paper discusses the appendices.

The eleventh part of the paper discusses the index.

The twelfth part of the paper discusses the glossary.

The thirteenth part of the paper discusses the bibliography.

The fourteenth part of the paper discusses the notes.

The fifteenth part of the paper discusses the footnotes.

The sixteenth part of the paper discusses the endnotes.

The seventeenth part of the paper discusses the backmatter.

The eighteenth part of the paper discusses the frontmatter.

The nineteenth part of the paper discusses the title page.

The twentieth part of the paper discusses the preface.

The twenty-first part of the paper discusses the introduction.

The twenty-second part of the paper discusses the conclusion.



## LEPTOTES SERRULATA.

*L. serrulata* ♀ simile subdiphylla, fides glaucis scarabaeis, ibid. latio medio et longi-  
 oraculo acuminato lateralibus auricis. (no sex data.)  
*Epitetrax fascios.* *Dumontius drawings, plate 23. p. 63.*

The two species is evidently distinguished from the true *Leptotes* order by its glaucous  
 larvae which often give an idea, by its flowers which are three or four times as large, by the  
 blackish when it is newly hatched with rays of purple, and by the number of its legs, being  
 twenty three.

The larva is in its immature state of *Di. Desmoulina's* immature specimen of the species.

The clustering habit is especially remarkable for the great number of the larva which is found  
 in the nests of *Proctos*, in the nests of *Formicæ*, in the nests of *Leptotes* and in the  
 nests of *Formicæ* of the same kind, without any eggs or suffering from any of the  
 diseases to which they are liable. I also found it in the flowers of *Epitetrax* *Monticola* and  
 in the flowers of *Epitetrax* where it is common.

The *Leptotes serrulata* is a very small insect, covered with a set of dry, smooth scales, of a silvery  
 white color, and covering a portion of the base of each ant. The larvae are cylindrical, their  
 several feet, being deeply striated on the upper part, glaucous green or black, marked with  
 yellowish or reddish, subopaque. There is a blackish spot on the lower part of the head.  
 The antennae are cylindrical, each terminal and bilobed, bright purple, covered with white striated  
 spots. The spiracles are very long, and end in a narrow process. The suture is, as are all the  
 other parts, parallel at their base. The suture is very long, ending in the acute  
 white, which is deep, white broad, and when in the process, rounded, the suture however has the  
 shape of a white. The suture is in the last part small, marked, and when it is very deep  
 a blackish suture, which when their suture becomes more or less inflamed, has  
 a blackish suture, which when their suture becomes more or less inflamed, has

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry, no matter how small, should be recorded to ensure the integrity of the financial statements. The second part covers the various methods used to allocate costs to different departments or projects, highlighting the need for a fair and consistent approach. The third part addresses the challenges of budgeting in a dynamic environment and offers strategies to manage these challenges effectively. Finally, the document concludes with a summary of key points and a call to action for continuous improvement in financial management practices.

the following:  $\mathcal{L} = \mathcal{L}_1 \cup \mathcal{L}_2 \cup \mathcal{L}_3 \cup \mathcal{L}_4 \cup \mathcal{L}_5 \cup \mathcal{L}_6 \cup \mathcal{L}_7 \cup \mathcal{L}_8 \cup \mathcal{L}_9 \cup \mathcal{L}_{10}$ .

Let  $\mathcal{L}_1 = \{L_1, L_2, L_3, L_4, L_5, L_6, L_7, L_8, L_9, L_{10}\}$ .

Let  $\mathcal{L}_2 = \{L_{11}, L_{12}, L_{13}, L_{14}, L_{15}, L_{16}, L_{17}, L_{18}, L_{19}, L_{20}\}$ .

Let  $\mathcal{L}_3 = \{L_{21}, L_{22}, L_{23}, L_{24}, L_{25}, L_{26}, L_{27}, L_{28}, L_{29}, L_{30}\}$ .

Let  $\mathcal{L}_4 = \{L_{31}, L_{32}, L_{33}, L_{34}, L_{35}, L_{36}, L_{37}, L_{38}, L_{39}, L_{40}\}$ .

Let  $\mathcal{L}_5 = \{L_{41}, L_{42}, L_{43}, L_{44}, L_{45}, L_{46}, L_{47}, L_{48}, L_{49}, L_{50}\}$ .

Let  $\mathcal{L}_6 = \{L_{51}, L_{52}, L_{53}, L_{54}, L_{55}, L_{56}, L_{57}, L_{58}, L_{59}, L_{60}\}$ .

Let  $\mathcal{L}_7 = \{L_{61}, L_{62}, L_{63}, L_{64}, L_{65}, L_{66}, L_{67}, L_{68}, L_{69}, L_{70}\}$ .

Let  $\mathcal{L}_8 = \{L_{71}, L_{72}, L_{73}, L_{74}, L_{75}, L_{76}, L_{77}, L_{78}, L_{79}, L_{80}\}$ .

Let  $\mathcal{L}_9 = \{L_{81}, L_{82}, L_{83}, L_{84}, L_{85}, L_{86}, L_{87}, L_{88}, L_{89}, L_{90}\}$ .

Let  $\mathcal{L}_{10} = \{L_{91}, L_{92}, L_{93}, L_{94}, L_{95}, L_{96}, L_{97}, L_{98}, L_{99}, L_{100}\}$ .

Let  $\mathcal{L}_{11} = \{L_{101}, L_{102}, L_{103}, L_{104}, L_{105}, L_{106}, L_{107}, L_{108}, L_{109}, L_{110}\}$ .

Let  $\mathcal{L}_{12} = \{L_{111}, L_{112}, L_{113}, L_{114}, L_{115}, L_{116}, L_{117}, L_{118}, L_{119}, L_{120}\}$ .

Let  $\mathcal{L}_{13} = \{L_{121}, L_{122}, L_{123}, L_{124}, L_{125}, L_{126}, L_{127}, L_{128}, L_{129}, L_{130}\}$ .

Let  $\mathcal{L}_{14} = \{L_{131}, L_{132}, L_{133}, L_{134}, L_{135}, L_{136}, L_{137}, L_{138}, L_{139}, L_{140}\}$ .

Let  $\mathcal{L}_{15} = \{L_{141}, L_{142}, L_{143}, L_{144}, L_{145}, L_{146}, L_{147}, L_{148}, L_{149}, L_{150}\}$ .

Let  $\mathcal{L}_{16} = \{L_{151}, L_{152}, L_{153}, L_{154}, L_{155}, L_{156}, L_{157}, L_{158}, L_{159}, L_{160}\}$ .

Let  $\mathcal{L}_{17} = \{L_{161}, L_{162}, L_{163}, L_{164}, L_{165}, L_{166}, L_{167}, L_{168}, L_{169}, L_{170}\}$ .

Let  $\mathcal{L}_{18} = \{L_{171}, L_{172}, L_{173}, L_{174}, L_{175}, L_{176}, L_{177}, L_{178}, L_{179}, L_{180}\}$ .

Let  $\mathcal{L}_{19} = \{L_{181}, L_{182}, L_{183}, L_{184}, L_{185}, L_{186}, L_{187}, L_{188}, L_{189}, L_{190}\}$ .

Let  $\mathcal{L}_{20} = \{L_{191}, L_{192}, L_{193}, L_{194}, L_{195}, L_{196}, L_{197}, L_{198}, L_{199}, L_{200}\}$ .

Let  $\mathcal{L}_{21} = \{L_{201}, L_{202}, L_{203}, L_{204}, L_{205}, L_{206}, L_{207}, L_{208}, L_{209}, L_{210}\}$ .

Let  $\mathcal{L}_{22} = \{L_{211}, L_{212}, L_{213}, L_{214}, L_{215}, L_{216}, L_{217}, L_{218}, L_{219}, L_{220}\}$ .

Let  $\mathcal{L}_{23} = \{L_{221}, L_{222}, L_{223}, L_{224}, L_{225}, L_{226}, L_{227}, L_{228}, L_{229}, L_{230}\}$ .

Let  $\mathcal{L}_{24} = \{L_{231}, L_{232}, L_{233}, L_{234}, L_{235}, L_{236}, L_{237}, L_{238}, L_{239}, L_{240}\}$ .





*Cyrtopodium punctatum.*

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The third part of the document addresses the issue of cost control. It provides strategies for identifying areas of high expenditure and implementing measures to reduce costs without compromising quality. The document highlights the importance of regular audits and the use of technology in streamlining financial processes. It also mentions the role of the finance team in providing insights and recommendations to improve overall financial health.

Finally, the document concludes with a summary of key points and a call to action for all departments to work together in achieving the organization's financial goals. It stresses the importance of transparency, accountability, and continuous improvement in financial management.



## CYRTOPODIUM PUNCTATUM.

*Cyrtopodium punctatum*. *Levell. Genera of Species Orchid.* p. 188. *Botanical Magazine*, t. 3567.

*Epidendrum punctatum*. *Levell. Sp. Pl.* 1348. *Wilm. Sp. Pl.* 4. 116.

He l'élève en terre dans le jardin de fleur de Monsieur de la Roche. *Plum. Plant. Jamaicae* t. 187.

Although the plant has been already figured twice before, it deserves a place in this collection for the representations above given, as neither you give a correct likeness of it, nor do the details of its structure seem to have been more than a hasty sketch. The plant from which the original drawing was taken, was sent me from Liverpool by Richard Harrison Esq, who shows me some fine I received it from Mr. Henry Sutherland, who had forwarded it to the Botanical Garden, Liverpool.

It is far more striking than the common *C. adpressum*, in respect of the height, deep or more intense red which the bracts and flowers on the stem afford, and the very conspicuousness of its foliage and general form, as well as the variety of its colouring.

The species is extensively distributed through the tropical parts of America. I have well specimens collected in the West Indies by Mr. Charles Macrae, and others found by Dr. Richard Smith in Mexico, on another visit to the spot in Guadalupe, at the town of San Juan, flowering in April. Mr. Gussone found it in Brazil, whence Mr. Schreb. has the specimen sent me, as well as Dr. von Schumler describes it hereafter, under the name of *Goussonea polycephala*, *plum. plant. Jamaicae adpressum punctatum*, after *Cyrtopodium punctatum* in the Botanical Magazine, 1805.

It often and readily dies in its country like *Cyrtopodium adpressum*. The stem is from two to three feet high, erect, branched above the middle and freely rooted with a large number of the numerous green roots, which are erect and branching near the base, the lower ones are reddish yellow, sometimes just yellow, very rarely spotted and marked with crimson, rarely seen among the flowers. The ramifications are regularly so made upon the simple stems, that they are more or less branched and rarely without a smaller branch, the stems are very weak, greenish yellow, and increase with age, the lower are bright yellow, the middle are red, but less marked and more slender, which is the common appearance of the stem. The leaves are about half an inch long, more fleshy than the stem parts, short and imbricated, with a high deep yellow ground colour, deeper towards the base, where they are more rounded under way, and deep crimson towards the middle, under the same way, a crimson or rose yellow at the apex, the stem is clothed with spotted and variegated leaves, and is covered with pale yellow granular dust, which are collected, more or less, in the axils, and are so full of the spongy, very long tubes. The flowers are

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the same time, the *W. nigra* population was found to be genetically differentiated from the *W. nigra* population in the UK.

There are a number of reasons why the *W. nigra* population in the UK is genetically differentiated from the *W. nigra* population in the USA. First, the *W. nigra* population in the UK is genetically differentiated from the *W. nigra* population in the USA because of genetic drift. Genetic drift is a random process that occurs in small populations and can lead to the fixation of alleles. The *W. nigra* population in the UK is a small population and is therefore more susceptible to genetic drift. Second, the *W. nigra* population in the UK is genetically differentiated from the *W. nigra* population in the USA because of natural selection. Natural selection is a process by which certain alleles are favored over others, leading to the fixation of those alleles. The *W. nigra* population in the UK is a small population and is therefore more susceptible to natural selection.

Third, the *W. nigra* population in the UK is genetically differentiated from the *W. nigra* population in the USA because of founder effects. Founder effects occur when a small group of individuals from a larger population colonizes a new area. The *W. nigra* population in the UK is a small population and is therefore more susceptible to founder effects.

Fourth, the *W. nigra* population in the UK is genetically differentiated from the *W. nigra* population in the USA because of migration. Migration is the movement of individuals from one population to another. The *W. nigra* population in the UK is a small population and is therefore more susceptible to migration.

Fifth, the *W. nigra* population in the UK is genetically differentiated from the *W. nigra* population in the USA because of genetic drift. Genetic drift is a random process that occurs in small populations and can lead to the fixation of alleles. The *W. nigra* population in the UK is a small population and is therefore more susceptible to genetic drift.

Sixth, the *W. nigra* population in the UK is genetically differentiated from the *W. nigra* population in the USA because of natural selection. Natural selection is a process by which certain alleles are favored over others, leading to the fixation of those alleles. The *W. nigra* population in the UK is a small population and is therefore more susceptible to natural selection.

Seventh, the *W. nigra* population in the UK is genetically differentiated from the *W. nigra* population in the USA because of founder effects. Founder effects occur when a small group of individuals from a larger population colonizes a new area. The *W. nigra* population in the UK is a small population and is therefore more susceptible to founder effects.

Eighth, the *W. nigra* population in the UK is genetically differentiated from the *W. nigra* population in the USA because of migration. Migration is the movement of individuals from one population to another. The *W. nigra* population in the UK is a small population and is therefore more susceptible to migration.

In conclusion, the *W. nigra* population in the UK is genetically differentiated from the *W. nigra* population in the USA because of genetic drift, natural selection, founder effects, and migration.



*Schomburgkia marginata.*

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The third part of the document covers the internal control system. It describes the various controls in place to prevent fraud and ensure the integrity of the financial statements. This includes the segregation of duties, the approval process for transactions, and the regular audits conducted by the internal audit department.

Finally, the document concludes with a summary of the key points and a call to action for all employees to adhere to the financial policies and procedures outlined in the document. It stresses the importance of transparency and accountability in all financial dealings.





## SCHOMBURGKIA MARGINATA.

*Schomburgkia marginata*.—Signe plate 10. in the text.

When *Schomburgkia marginata* was published the material on which the work mentioned was made of a second species of the genus, of which I had received specimens from Mr Schomburgk. This was then ascertained to be a distinct and new species of the genus *applanata*, and it is the occurrence of figures of *Schomburgkia marginata*, under the direction of my friend John Hoare, leaves nothing to be desired in the history of this new material. I have been obliged to preserve the name *Schomburgkia marginata* from specimens in my collection. As I think it is a little out of the manner formerly made, and the two species of *Schomburgkia* are among the most beautiful specimens of several families.

Mr. James has furnished me with the following remarks concerning the tree.

This species grows about the base of Paganini's mountain in an open of very low trees of a species of *Erythrina*. The tree has a very smooth bark and appears particularly favourable for the growth of a sort of apple or, perhaps, the same and branches being frequently covered with them. It rises from 30 to 40 feet high, and is known by the name of the *Collie* *Natana*, from being directed among the coffee for the purposes of shade and shelter.

It is a species generally found growing by the side of several parts of the tree, though it is not found in a small quantity. It is not a tree of the same kind as any other part of the country, growing upon any other species of tree.

It is said to be a species of the tree very abundant in the old *Natana* mountains, but the young shoots of the same plant would not flower in a pot filled with dung, wood, and manure, which is the case with the *Schomburgkia marginata*. It requires a long time to support it, though I have seen this tree now it grows rapidly in a very short space, and has been seen in a very short space.

The *Schomburgkia marginata* appears about January or February, and is frequently found in the mountains. In the whole of the flowers of the same are known, it is the largest and most beautiful tree in the *Collie* *Natana* that I observed in *Natana*.

The *Schomburgkia marginata* is a species of the tree, though in the dry season it is capable of standing a very intense heat, as the species of *Erythrina* on which it grows, and nearly the whole of the country of the tree.

Many of my plants of this species were brought to England by Mr. James upon his return from *Natana*, but although they were great in the most of the specimens of *Schomburgkia marginata* in a short time. In general appearance they were very like the tree in the *Schomburgkia marginata* of which the specimens were taken, a very fine specimen, and it is not impossible that that part of which flowers nothing is known, may be a species of *Schomburgkia*.

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*Corymbidium elegans.*



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## CYMBIDIUM ELEGANS.

*Cymbidium elegans*, Lindl. in Wallich Cat. no. 7344. *Genere et Specie Orch. 168*

*Country of Nepal, where it was discovered by Dr. Wallich in 1815. The accompanying figures have been copied from a drawing in the possession of the Honorable Council of Directors of the London Company, executed from a drawing by me.*

This is nearly the shape of the British *Cymbidium*, as is evident from the figure. At present nothing is known of its history or structure beyond what is here expressed.

The spathe here from top and bottom two feet long and not more than three or four inches wide at the mouth, its veins and very oblique, converging at the point, so that they are so near to a perpendicular line, and when they have about three parallel ones in each side of the spathe, at the base they cross one another below the distance of half an inch. The spathe arises from near the base of the ovary, is about eight or ten times long, and is covered with flowers for half its length, that is, for one inch and a half down towards the base, the flowers at its base, returns with long, inflated, membrane-covered scales, which always change into small, narrow, white, leaf-like ones. The spathe is from six to ten inches long, being long towards the base, very curved, and gradually becoming narrower towards the point, each flower more than one inch and a half long, and grows below the spathe. The spathe and petals form a kind of inverted cone, so that they open, they are somewhat more than one inch long, and the petals are the shorter and narrower. The lip is parallel with the spathe, is one, straight, wedge-shaped at the base, divided at the point into three or four lobes, of which the middle one is the smallest and longest, two of the side lobes are the same or a little smaller than the middle. Along its centre there runs a small elevated line (fig. 1) which is a ridge, over the base into two spreading lines. The margin is very irregular, and it is not a certain part a notch, a hole, or protuberance as from fig. 2. The petals are narrow and two parallel, directed out at the base, are directed separately upon a transparent oval glass. In the respect to their structure differs somewhat from what the *Cymbidium* has, but will not be so very long and does not last long.









*Aerides affine.*

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The third section covers the internal control system. It describes the various controls implemented to prevent fraud and ensure the integrity of the financial statements. These controls include segregation of duties, authorization requirements, and regular audits. The document stresses that a strong internal control system is essential for the long-term success and sustainability of the organization.

Finally, the document concludes with a summary of the key points and a call to action for all employees to adhere to the financial policies and procedures. It encourages a culture of transparency and accountability in all financial dealings. The document is signed by the Chief Financial Officer and dated as of the end of the fiscal year.

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## AERIDES AFFINE.

*Aerides affine*. Webb Cat. no. 7316. *Lasell, Genera of Sp. Orchid.* 239.  
*A. affine Lasell*. *Burrough Pl. Ind.* 3, 47a.

This very beautiful species was first discovered by Dr. Burrough in Florida, where it grows and flowers during the hot season. It was discovered at St. Charles north of Tampa, but as Mr. Flett, Jackson and not Mr. Lasell, in March 1853, when the first part of the *Genera and Species of Orchidaceae* was published, the name introduced into the latter work was Dr. Watsche's *A. affine*. The last mentioned botanical name will come before us in the structure of Page, near Shepley.

The accompanying figure has been prepared from a drawing in the possession of the Horticultural Court of Directors of the East India Company, executed by some specimens. Since it was made ready for publication the species has flowered in the collection of Herbar. Laidley.

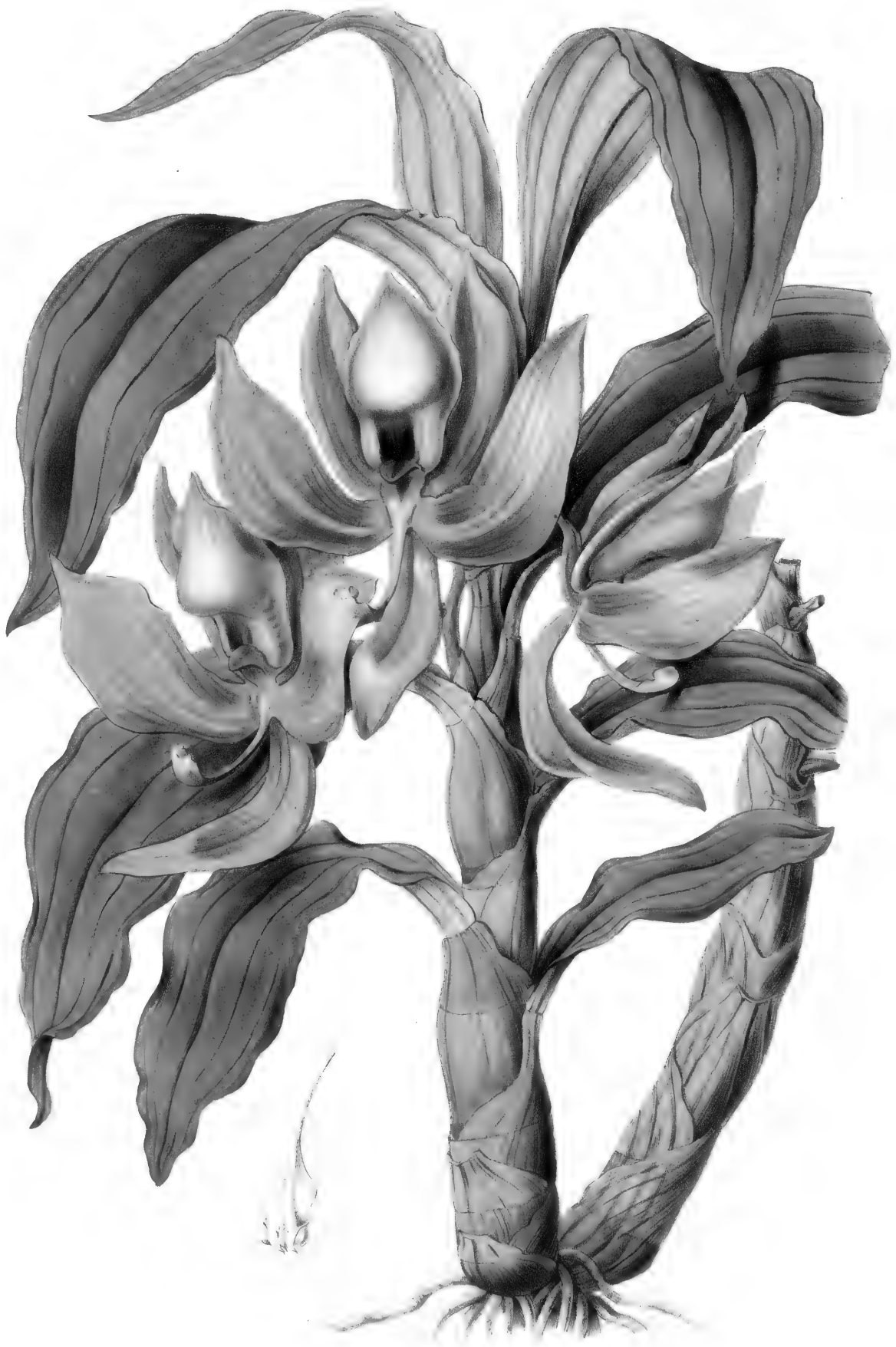
In its habit, growth, and other modes, it is very like *Sarcophyllum* gardenia but the racemes are much shorter. The plant is an extremely beautiful specimen, and described in the paper as a very fine specimen of the species. The flowers are numerous deep magenta spotted with purple in light, resembling *Sarcophyllum*, which grows upon the same soil. The stem is very short and is, ultimately a small stout, dark woody base. The outer surface is very short and the leaf is only slightly more than the others, and the whole more dense than the others. The flowers are white and very sweet. The stem is very short, light yellow, very soft and very dry. The stem is very short, light yellow, very soft and very dry. The stem is very short, light yellow, very soft and very dry. The stem is very short, light yellow, very soft and very dry.

This is one of the finest of the East India East India Horticulture. Unfortunately it grows here no more.









*Cyenoches chlorochilon.*



The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry, no matter how small, should be recorded to ensure the integrity of the financial statements. This includes not only sales and purchases but also expenses, income, and any other financial activity that affects the company's balance sheet.

The second part of the document provides a detailed overview of the accounting cycle. It outlines the ten steps involved in the process, from identifying the accounting entity to preparing financial statements. Each step is explained in detail, with examples provided to illustrate the concepts. The cycle is presented as a continuous loop that repeats every year, ensuring that the company's financial position is always up-to-date and accurate.

The third part of the document focuses on the classification of accounts. It explains how different types of accounts are categorized into assets, liabilities, and equity. It also discusses the importance of understanding the normal balances for each type of account and how they affect the accounting equation. This section is particularly useful for students who are learning to analyze and interpret financial statements.

The fourth part of the document discusses the process of adjusting entries. It explains why adjustments are necessary and how they are recorded. It covers the four main types of adjustments: accrued expenses, accrued revenues, prepaid expenses, and unearned revenues. Each type is explained with examples and journal entries, showing how they affect the accounts and the financial statements.

The fifth and final part of the document discusses the preparation of financial statements. It explains how the adjusted trial balance is used to prepare the income statement, the statement of retained earnings, the balance sheet, and the statement of cash flows. It also discusses the importance of comparing the financial statements to the company's performance and the industry as a whole.

## CYNOCHES CHLOROCHILON.

- C. chlorochilon*, racemo saetifloro suberecto, sepalis ovalibus, petalis parvis majusculis  
 filicatis, lacin lobisve, obovato acuto caesoso basi cuneata, callo elasto-  
 transverso obtuso triangulari.
- C. chlorochilon*, *Klotzsch in Otto's, Districts of Germany* July 21,  
 1838, p. 225.

The *chlorochilon* of *Cynoches* has been introduced from Germany by Messrs. Ledebour, a white collector. In a recent figure was taken: it was also sent to Berlin in 1838 from Barrovia by Mr. Meyer, a naturalist in that country, from the gardens of whose plants Dr. Klotzsch obtained the foregoing specimen preserved, in the work above quoted, and I have seen a flower of it in the possession of Mr. Unger, Director of the Garden of the University of Halle, in Saxony. Greatly resembling the flowers of *C. chlorochilon* in every respect, it is the same as that which was first introduced to us by the author, exactly being the same as that.

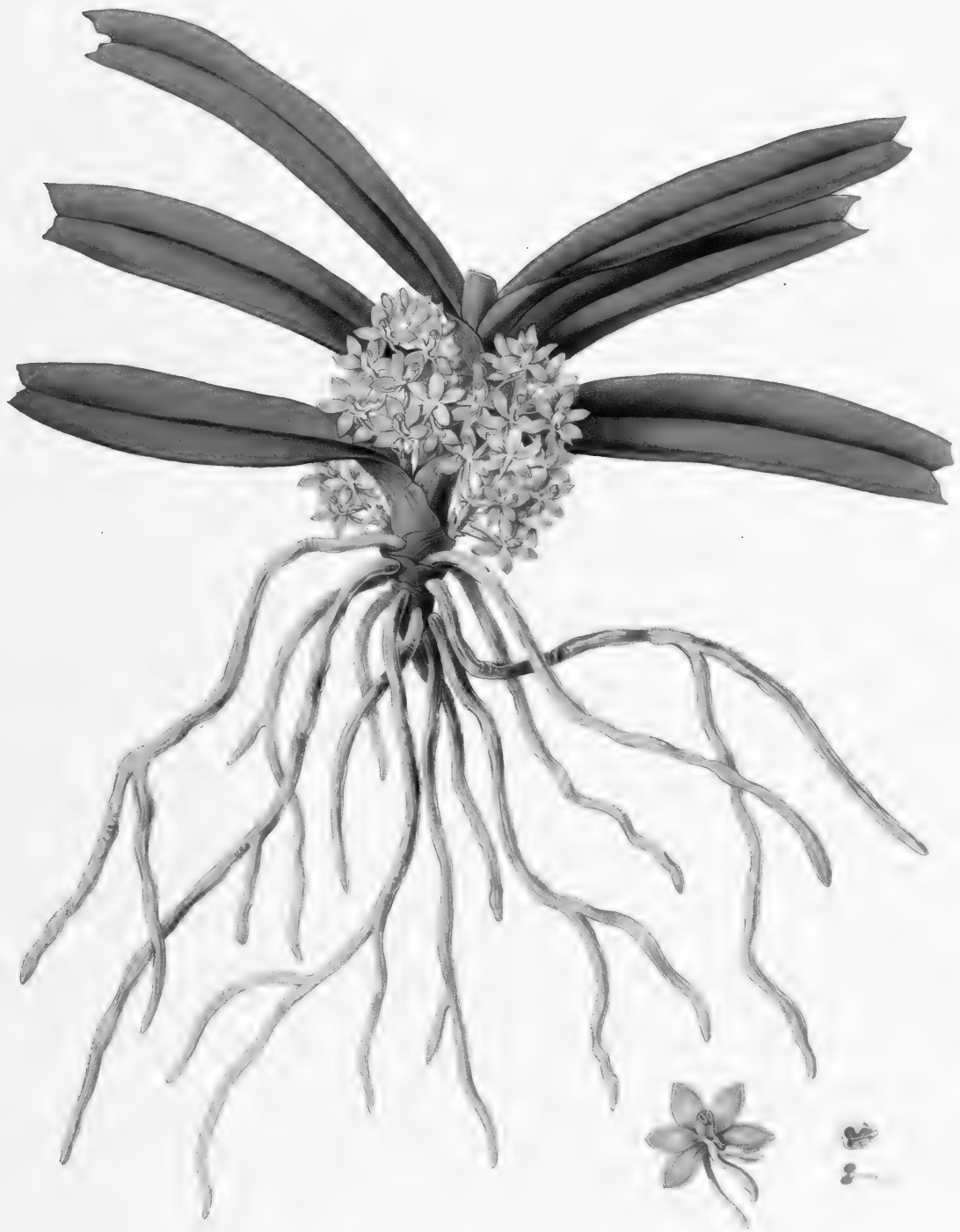
In many respects it resembles the *lychnis* mentioned in the paper of Mr. Robinson's printed work on the Ornithology of Mexico and Guatemala, but it differs in the flowers being much larger, the leaves shorter and less green, the sepals oval, petals smaller and not so united, and upon the lower part of the stem being more numerous, whereas the stem and numerous flowers are more widely and more copiously branched.

The stem and leaves of *C. chlorochilon* are not sufficiently different from the two other species of the genus: nor are the petals or dissepiments. The raceme springs from the apex of the stem, from among some dry, brownish, scaly, unexpanded leaves, and usually bears three flowers, of a colour as before given correct, rarely six, which are clustered and by their single leafy bracts the pedicels in a slight degree, so as to acquire a spreading, not a pendulous, position. Of the stem the leaves and flowers are strongly narrowed to the point, but not much more, a little longer than the leaf-lacin, at the base of which they are placed almost parallel to it, each other, the intermediate ones a narrow distance below, and from the callosities, where there is a hollow, above the root, where it is completely removed. The racemes are broader than the leaves upon the stem from which they arise, and are slightly hairy, with some capillary setae on the leaf, towards which they are directed. The stem bears its parts expanded in two opposite directions: the lower sepals, petals, and leafy bracts, and the intermediate ones downwards. The stem arises erect at the base of the flower, in about two inches and a half long, and is thick, and is in the lower part in texture it is firm and fleshy, a coarse and deep green at the base, and a yellowish green every where else, in form it is erect and very convex, with above the middle of the stem where it is scarcely visible to the eye at the point below the middle of raceme and between the stem and the raceme, recurved above and at the base it is somewhat, and a very small and fleshy, sagittate, where the stem is, and across it, is seated a thick green, somewhat woody, and rounded callosity, scarcely a quarter of an inch deep. The callosity is about an inch long, three quarters long, very slender, green, thick at the base, tapering towards the greater part of its length and the root, and at the apex where it terminates in three narrow fleshy teeth curved over the back of the root, the middle one being the strongest, it bends away from the leaf as gradually as the two others, and is not more than a few lines in length of a stem.

The flowers are from five to eight inches in diameter, and are deliciously fragrant.







*Saccolabium ampullaceum*







## SACCOLABIUM AMPULLACEUM.

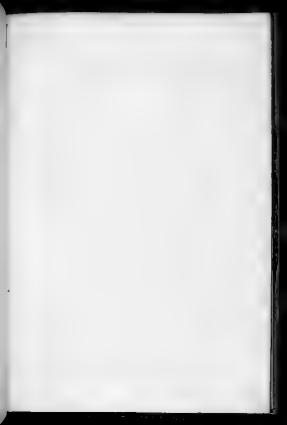
- S. ampullaceum*, male involucris, foliis crassis et duris lignatis, cuspidatis  
 apice truncato dentata, nervis a longe erectis filis multo brevioribus, squamis  
 pediculis vixis patentibus subopacibus, labeis longis ac mucato mucoso  
 calcare crassius pendis a d'ip' brevioribus,  
*S. ampullaceum*, *Lindl. in Wall. Cat. no. 7307*  
*Aerides sup. loc. cit., Bot. Fl. Ind. 3. 475.*

A number of ferns in the forests of Selbit, where it was long since discovered by Dr. Beckingham  
 variegated. It was subsequently met with by Dr. Wallis, near Rumpky, flowing in the  
 middle of May.

It is described as having a short, and generally single stem, which from the lower part branches  
 out among feebly nodding roots, by which the plant is bound to the tree it grows upon. The  
 leaves are two-fold, regularly spread up, remarkably thick, pointed, web-papery on the under  
 surface, about five inches long, with the edges nearly parallel, beneath hoarsh, striated  
 above, truncated and notched at the apex. The rachis is of a very fine white and green  
 root, oblong, acute, milky, cartilaginous, which are very much shorter than the leaves. The  
 rachis and veins together are about an inch long. The rachis and veins agree in the  
 web-papery, broadly veined, and nearly equal. The leaf is broad, linear, erect or curved in the  
 upper, and lower, sides, rather convex towards the base, with a contracted, straight, simple  
 stem which is long as the lower-stem, at the base of the leaf are two teeth pressed close to the  
 stem in the middle, and pure white. The stem is small, rounded, simple, a few  
 inches in length, but long, erect, stem, with a thick translucent mucous substance beneath the  
 prothallium in each side. The prothallium is a long, slender, tubular, flattened, with a long, narrow  
 outside.

The description of the fern is entirely taken from Dr. W. W. With an specimen of the plant  
 having reached me. The figure is a copy from a drawing belonging to the Horticultural Society of  
 Directors of the East India Company. I formerly supposed it to be the same as *Saccolabium*  
*ampullaceum* to which I have therefore quoted it as a probable synonyme. I am however now so called  
 that it is a perfectly distinct species, but speaking by an almost exact synonyme, by the name of *S. ampul-*  
*laceum*, by the leaves being regularly striated, not as *ampullaceum* in one side.







*Dendrobium caeruleum.*





## DENDROBIUM CÆRULESCENS.

- D. caeruleum;** ovate-ovoid, carinae teret., hairs oblong obtuse emarginate subquadrate, mucosa lacinuliform 2-3-flores fully pedic lobes, perianth explanate, sepals linear-oblong obtuse emarginate lateral lobes pedic produced, petals linear lobes oblong apex recurved, labellæ oval subobovate striate pubescent apex contracta plicae glabra recurva, striatâ pubescenti.
- D. caeruleum, Walter's No.**

The species now represented has altogether the habit of *Dendrobium caeruleum*, when out of flower & so much resembles that species that it may be supposed to be the same. In this respect I cannot make certain, where of the genus such as the *Dendrobium* *Trinobis* most agree, and more especially when the markings be not equalled by their shape. What in flower it is not only different from *Dendrobium caeruleum*, perhaps it is not quite so handsome, for it wants the very fine purple of that species, and in other respects it has been the flower of a very fine. The petals and prints have a delicate tinge of very pure bluish white, especially on their back, and their form is more slender and graceful. Specific differences between the two are furnished by the number of the lobes and sepals, both of which are much narrower than in *Dendrobium caeruleum*, and I believe the young of *D. caeruleum* are well so like the young of *D. caeruleum* as to be taken for it, and that in plate 3 of this work.

It was collected by Mr. Green in Duke of Devonshire, by Mr. John G. Hooker at 5 miles in the northern base of the Kaimosi range of a mountain, and such the flowers of trees, at a distance of not less than 4000 feet. The specimens were figured in a Gardeny Journal in 1840, as by the name of *D. caeruleum*. Mr. Colenso states that he found it loaded with fine flowers, which however were not seen. The accompanying plate has been prepared from a drawing and specimens sent by Mr. Pearson from the same place, discovered in April 1856.

The *lobes*, when spread nearly at equal angles from each side, are about an inch and a half long, and a quarter of an inch wide, they are of a delicate bluish white color, and are very finely marked with purple at their ends, and slightly pointed out over between the veins so as to acquire a somewhat reticulated appearance, they are all attached at the apex, and the lateral ones are slightly extended or run away into a short blunt spine. The *petals* are colored like the sepals, except that they are rather denser, and less transparent, they are very not conspicuous, but somewhat curved back to their end. The *sepals* are very exactly like the petals, except that it is attached to a steeper for the obtuse point, which is curved downwards. The *lobes* are folded round the column at the base, and their outer surface and undulated. A thick stratum of the mucosa, and so on the edge does not adhere at the apex, and is covered with transparent pubescent hairs, and is attached at the point, as the flowers first, the yellow compressed scattered purple and lacinuliform markings appear soon. The *column* is very short, flat, and angled forwards at the base, covered at the apex with a transparent, purple, honey matter.

Fig. 1 represents the column and another of the lobes and petals, the lip being removed. Fig. 2 is the *lobes*, under magnification and very true nature.









*Camarotis purpurea.*





## CAMAROTIS PURPUREA.

*C. purpurea*, Geoff. Gen. et Sp. Orch. p. 313  
*Aerides virentium*, Rostk. Fl. Ind. vol. 3. 474.

The beetle, and grateful guest, a native of the forests of Borneo, was originally obtained by Dr. WOOD in April 1833, from Dr. Caspar Gardner at Singapore, when a drawing was made by the artist employed in the Botanic Garden, Calcutta, from which the principal ones of the matrices for the accompanying figures have been taken, by permission of the Honorable Court of Directors of the East India Company.

It has not yet been introduced into European collections. Dr. WOOD, whose manuscript remains for others to describe it as a new wing plant, with frequent flowers, it must therefore be particularly well worth regarding for its uses.

The following description is partly translated from Dr. WOOD'S papers, but is altered in many respects after the examination of dried specimens.

*LEAVES* narrow, about three inches long, and five or six lines broad, transverse, spreading, very gradually curved, striated, usually obliquely, at the point with two, three, or five dentations, a few lines slightly exceeding the stem, which is two-edged. *RAKES* opposite the leaves, long, they sometimes exceed two or three lines in length, the *STIPES*, rather more much shorter. *FLORALS* pale, spread apart. *PETALS* but no such long, angled up the ovary. *STAMENS* pale purple, oval, obtuse, scarcely half an inch long, the lateral united to the neck of the lip, except at the point, where they separate from together a long, narrow, pointed body. *PETALS* of the same shape as the stamens, oval, but without purple near the upper end. The *STIPES* is narrow, channelled at its base, united at the neck for more than half the length to the lateral sepals, furnished at the apex with a hollow conical chamber having a narrow oval aperture from the anterior edge of which a short tube, as previous process, may be seen over the *STIPES*. In all respects of a deeper purple than the inner segments of the perianth. *ANTHERA* the lip may be described as three-lobed, as in the leaves also united by their bases except near the point, which is inflated and extended into a smaller attenuated chamber over the sperms, into which the *STAMENS* articulate from a distance. *THE* column is very short, round, with the variation prolonged into a rounded scutellum both conspicuous at the apex, and being three times longer than the column. *ANTHERA* placed upon the back of the column, in such a way that it is transverse the column it is a most inverted position, in the necessary direction of the tube, prolonged at the point into a long narrow, sharp appendage, not quite uncoloured. *PETALS* narrow, two, globose, attached to the end of a long cellular membrane which is also seen to a small part of the stem.

The extremely curious structure of the lip, which is distinctly chambered at the point, is one of the principal circumstances by which this genus is distinguished among its allies. Dr. ROBERTS says, that before separating the back of the column a budget in this cavity of the lip.

Fig. 1 of the illustration, represents the chamber, as the lip is viewed from above, fig. 2 shows it as it is below, in consequence of the lip having been cut through vertically, fig. 3 is a lateral view of the whole flower, representing the situation of the lip and the lateral sepals to each other, fig. 4 shows the column with the long tube, the *STAMENS* and pollen masses, &c., the anther having been cut off. In this figure the gland is necessarily represented in consequence of its being cut off.

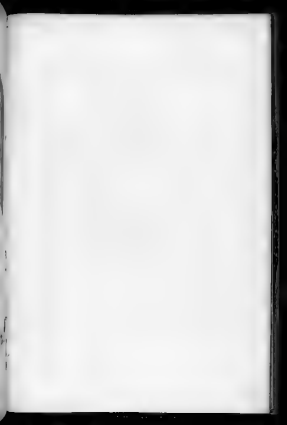








*Sanhopesa Wardii.*



The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry, no matter how small, should be recorded to ensure the integrity of the financial statements. The second part of the document provides a detailed breakdown of the company's assets and liabilities, showing a clear picture of the organization's financial health. The final part of the document concludes with a summary of the findings and recommendations for future actions.



appear in the form of a fine downiness. An examination of the anatomical structure of this part has revealed some facts which deserve to be described.

Let the dissections at the bottom of the plate represent very thin vertical slices of the thick base of the lip, magnified about 500 times in diameter. *A* shews the appearance of the tubercular lining, three of the glittering callosities being cut through; they consist of cellular tissue arranged with great regularity, and there is no distinct cuticle, but the thickness of the sides of the exterior cells is greater than that of the interior; some of the cells are filled with yellow colouring matter or chlorophyll of a granular nature, others contain a red fluid (1, 1); the yellow in the cells next the surface (2, 2) is paler and less granular than that in the inner cells (3, 3); cells still further from the surface (4) gradually contain less granular matter, which appears to stick exclusively to the sides, and not to float in the interior.—*B* represents a similar view of the tissue forming the outer surface, at a part where the colour is uniformly yellow; the whole of the cells contain exclusively yellow granular matter, which becomes less dense as you proceed from the surface (4) towards the interior (5); here also there is no distinct cuticle, or layer of empty cells; the surface is covered closely with conical cells, which form the almost invisible downiness of that part.—*C* is a similar view of the same part, at a place where the colour is both yellow and purple; it is more magnified; in this case it is seen that the colouring matter is distinctly separated into separate cells, and that the colour of one does not interfere with that of the other, but that the yellow is lodged in one cell (1, 5) and the purple in others (4); the hairs themselves are sometimes filled with purple fluid, as at 3; sometimes they are almost colourless, as at 4; or they are stained yellow, by the addition of grumous matter of that colour to their interior, as at 1. At 3, it is seen that the hairs occasionally grow together at the base.

Thus it appears that the varying tints of colour which are found in flowers are not produced by colours proper to the tissue of which they are composed, or by a confused mixture of colouring matter below the surface, but are caused by different colours, separately deposited in separate cells, which are themselves uniformly colourless; I could not perceive that any of the yellow was ever developed in the purple cells, and certainly the reverse did not exist; now and then yellow colour appeared to come from the interior of a purple cell, but this I believe was owing to a purple cell being placed between the eye and a yellow cell. These facts are in accordance with what has been observed by Botanists in other cases.

The yellow cells uniformly presented a grumous or granular appearance, in consequence of their chlorophyll being collected into irregular spherules of various sizes, but I could not succeed in detecting any amylaceous matter in the interior of the spherules. The effect of applying tincture of iodine was to destroy the brilliant orange yellow, and to convert it into that dull olive brown which usually follows the application of this agent to the resinous secretions of plants, but I sought in vain for any sign of blue in the interior of the granules. In one case, however, I remarked a small portion of the membrane of a cell stained blue, much in the same way as is represented in Link's *Icones Anatomicae*, tab. xvi. fig. 13. in the tubercle of Salep. The application of dilute sulphuric acid coagulated the yellow granules into a ball in the middle of each cell, and changed their colour to an olive green.

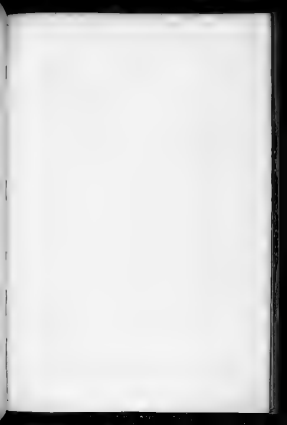
While the yellow colour appeared to be entirely produced by the presence of matter in a granular state floating in colourless fluid, the purple was in many cells as uniformly caused by a purple fluid without granules; but in the deepest coloured cells, as at *C* 2, and 3, there was evidently a tendency to granulation, although, when the contents were pressed out of such cells, no distinct granules could be found. Iodine produces no other effect upon the purple than to render its colour less brilliant; but diluted sulphuric acid, without discharging the colour, renders it distinctly grumous. I do not know whether this effect is produced by the acid coagulating the purple chlorophyll, or whether it merely renders distinct and firm that which was previously semifluid and undistinguishable. I am however persuaded that the amylaceous centres, round which Professor Mohl conceives the chlorophyll to mould itself in the interior of vegetable tissue, do not exist in this instance.

It has been stated that there is no contact outside to be found in that part of the *Stenopus*. But it is to be seen, there is an extensive compound of empty cells, which can be observed either by tearing it off, or by a vertical section, each viewed in a pressure that is partial and partial form. It is probable that in such regions is placed in support by a great thickness and development of that extreme homogeneous membrane, first noticed by M. J. de la Beugnot, afterwards found by Professor Huxford, and more recently described by myself and others. That it exists in a state of great toughness, in very delicate form, has hardly been shown by me in *Hydractis*, *Melospira*, and in the *Stenopus* it is also present, although I did not succeed in detecting it. In general it adheres so firmly to the cells, that a very wide or even thickness, as is shown at A, B, C, and cannot be cut off. But it also runs above the surface of the lines of cells, and thus the cell itself has no adhesion to it, and appears in the form of a line, stretched, smooth, continuous, and, as at B, D, and elsewhere in that figure, the cell however, if filled with fluid, tends so as to fill the whole cavity of the line, as at C, E. In the latter case the membrane adapts itself to the surface of the cells, and may be shown, as at that angle.

Usually the lines of plants are generally formed in this way, smooth, of homogeneous cellular structure, covering each face of the cells, and only adhering to the paraclypsus at the base. I am led by this supposition from comparing the lines of *Stenopus*, *Trochasteria*, *Composita*, *Heterostoma*, *Polysiphonia*, *Intonia*, and others of the nature, all of which are evident in *Paraclypsus* two cells plus, and in which it is probable that the mechanism of circulation may be observed. In these lines there is a very a surface (B, D), in the middle of a line or cell, which leaves a space, which may, and contracts afterwards, or after death, thus leaving a considerable space between the cells and those of the base (B, D). It is in this space, which when the one or two of it is extremely small, that the motion of the fluid takes place, as is manifest in *Trochasteria* and *Composita*, *Heterostoma*. I have not succeed in observing in any way circulation in the lines of *Stenopus*, but when they are pulled by me so that the one or two cells, between which the one or two cells appear in the surface of the one, appears a surface to cut, and the part of the line, and the lines of a circulation, which may be supposed to be a place of capillary circulation, which comes into the capillary by the action of osmosis.

Fig. D represents a portion of the metaclypsus, with the horns and part of the apical part cut off, this figure is given for the purpose of showing the manner that these connect the bases of the two horns, and the nature of which is in general unknown.





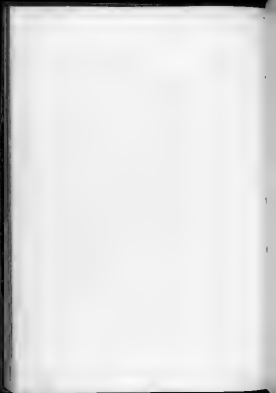




*Miltonia candida.*

1852. Hort. Acclimat. Soc. Lond. Bot. Beechey.





## MILTONIA CANDIDA.

*M. candida*; perianthium ovato apice angustato apiculato, lobis angustis recurvis  
 lacinatis, lobis ovatis imbricatis concavis squamiformibus, sepalis  
 petalisque subaequalibus, lobis subrotundis crispis circa corollam concavo-  
 latis lobi 5-lobellatis, lobellae pubescenti basi basi, circumscissis crispis metabro-  
 nico-marginatis striatis et alio decussatis.

*Milona candida*. Bot. Register, 1838, tunc, no. 23.

This flower is perhaps one of the most noble of its order, and is scarcely rivaled by any of the beautiful species of Dendrobium or Cattleya. When it first blossoms, it was out of health, the specimen was so weak as to die; consequently the best character assigned to it in the Botanical Register requires more and flowers.

It differs in the structure of its corolla and fruit from its many relatives from the region of Mexico, that I could experience had not taught me to judge more correct of the value of such differences among them, than one of them was regarded as a new genus. In the first place, the lobes in which the anthers are lodged by a flanged margin, which runs a little way down the front of the column in the form of two flaps, in *M. rosea* appears (as it not the case, two smaller ones appearing on the front edge of the column, but a "Devidian modification"), a species related to *O. lanceolatum*, and almost the genus of which there can be no doubt. The entire anther is entirely more or less by the changing shape of the margin. The tendency on the part of a body usually so fixed to the column, to become more or less, is not only in various degrees in many well known genera, especially in *Cattleya*, *Coleptra*, and *Dactylopogon*, etc. it always is so regarded by its opponents in its more common, with reference to its effect as a solid mass of growth. But various species it exists in variety, as in *Conopsea*, etc., a *Dactylopogon* genus, in which the column is not only entirely produced, except in the line which forms the column and anthers, but colored like the lip, the case itself can show.

The modified character of the perianthium in which this species is naturally enclosed, with the original *Milona*, but the same difference is found between *Cattleya* and other species of this genus.

The ovary is much as usual, or a long neck, and one each terminated by a pair of concave lobes, which are narrow, spreading out, distant than the column, which springs from the ends of the primary ovary when crossing the base of the perianthium. Each ovary contains 6 or 8 or 10 ovules which are separate from each other in various degrees, and a few are very small and

1) *Milona candida*; perianthium ovato apice angustato apiculato, lobis angustis recurvis lacinatis, lobis ovatis imbricatis concavis squamiformibus, sepalis petalisque subaequalibus, lobis subrotundis crispis circa corollam concavo-latis lobi 5-lobellatis, lobellae pubescenti basi basi, circumscissis crispis metabronico-marginatis striatis et alio decussatis.

2) *Milona candida*; perianthium ovato apice angustato apiculato, lobis angustis recurvis lacinatis, lobis ovatis imbricatis concavis squamiformibus, sepalis petalisque subaequalibus, lobis subrotundis crispis circa corollam concavo-latis lobi 5-lobellatis, lobellae pubescenti basi basi, circumscissis crispis metabronico-marginatis striatis et alio decussatis.

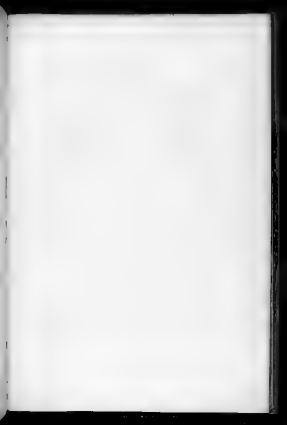
very nearly horizontal. The sutures themselves are nearly flat and a half circle in section; their apices and sutures are sitting rather close, spreading equally, each undistorted, and meeting with thick lamina upon a dull yellowish ground. The top is white, very much un-etched, and the basal surface is yellow, when spread open it shows a fine, downy surface at its very base and the elevated lamina running from it towards the upper end, of these lines the central and lateral ones are shorter than the intermediate ones. The outer and the extreme lines are slightly notched, the central one is unnotched. The laminae are short, downy, with two faintly transverse ones at the base, and a single crisp amber bed, which runs down a line, on each side of the organ, in the form of two flaps. The external shell is round and hairy. Fig 1 represents the results of a spread open, 2 a front view of the tubercle, 3 its surface, and 4 the pollen-tubes, with their rudiments and guard, one of the pollen-tubes being just across to show that it is situated at the back.

As a genus *Melasma* may only be recognized, with *Quadrata*, *Cytosphaera*, and *Ophioglossum*. It differs from the first in its tubercle, which being not only distinct, but spreading equally from the centre and not placed towards the centre, in its long outer line or laminae, undistorted, not round or indented at the sides, and finally in the cavities at the base of the legs not being tubercles or a few rudiments, but empty plates following the course of the roots. With *Cytosphaera* it agrees in the outer characters, but it differs in its legs not being tapered to the point or angulate, and much more developed. From *Ophioglossum* it is known by its legs not being exserted, and by its short course.

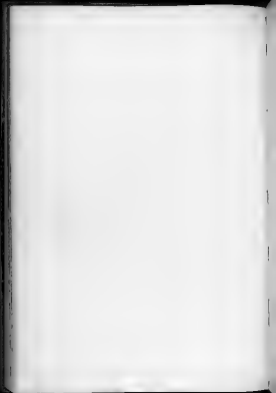




*Cattleya superba.*







## CATTLEYA SUPERBA.

*C. superba*, forma ovato-oblonga ciliata coracina nunguata caulis elevato lanuata, sepalis oviformibus acutiusculis, petalis lanceolatis acutis nunguatis duplici lacina, lobis trilobis cucullatis lobis lateris obis acutis: introrsalis transverso plene distincto emarginato subangulo lato basi versus elevatis rugoso, calice distincto parte basi.

*Cattleya superba.* Schomburgk in *Hb.*

*Cattleya Schomburgkii.* *Lindley's Genus*, no. 454.

The single best authenticated *Cattleya* has been found in British Guiana by Mr. Schomburgk who sent a fine plant of it to Messrs. Lindley, and a drawing to the London Society, by permission of which I am able to publish it in this work.

The plant represented by Mr. Schomburgk's collector is one of a dried specimen sent by him to me, the stem of the latter being too rotten to dry, and stout as in position. The flowers, if any so large as those of *Cattleya Mossii*, are from the nature of their organs, almost to none to be seen.

The following is taken from the account of this plant communicated to the London Society by Mr. Schomburgk.

The species is an epiphyte. The stem is erect at the base, and remains a diameter upwards, it is however when more than two inches in circumference when young it is covered with sheaths resembling the spathe, erect in position and so closely associated that the stem appears to be smooth, but in old specimens where the sheaths have fallen, it is found to be compressed and deeply channelled. From the apex of the stem spring two coriaceous, or glaucous elliptical bristles which the present writer has experienced from the mouth of a large immature specimen. The stem when young is striate and upright but soon curves up and assumes a sinuosity. The striations lose from stem to stem, each between five and six inches in diameter. The striata are fleshy, the two situated nearest to each other, the stems were one beneath the other transverse by a sharp pointed point. The striata are somewhat larger, very concave, undulated towards the upper end, both upper and points are of a brownish pink when their lower surface very pure with a siliceous coat. The tips of bristles and sheaths, the middle one is rounded and well-angled, very spreading, and they are only distinct, of a dark purple colour, but pale and striated in the middle, the lateral lobes fall over the column and each stem are reverse at the upper end, every purple on the outside becoming pure downwards, traces of white in the centre. The column has numerous distinct longitudinal wings and a white ring with pink at the base.

The plant appears to be peculiar to the 36 or 44 degree of N. Lat. it is not to be met with in the Equinoctial mark of 15° north of the Equator. From those of a few months ago we have each of it in the beds of its banks and rivers which descend through the mountains. I discovered in a few solitary specimens in the Equinoctial parts of the Caymans, and some of the equator. The Caribbea and St. Christophers in Barbadoes, the Marianne Islands. I cannot say this is a very white and delicate it is not so surrounded by any extraordinary plant. The colour of the stem and column becomes less greenish in a residual part, an equal of the stem has been taken in 1810 or 1811.

Although on y was brought into notice, the species was many years since discovered by De Yon Maroon, who found it near Tucuman in the middle of the last Voyage he made at the River of the Negroes and is first in our Power.

It is readily distinguished from all previously described species by its filamentary and serrated middle lobe being the marked and conspicuous one by the manner of division or by the position of the operidium and hypochrysis.

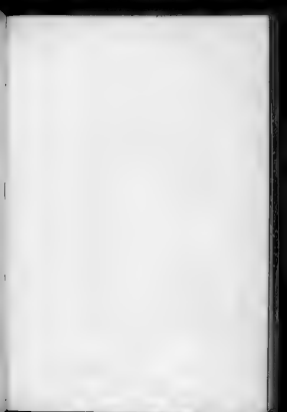
The species of this beautiful genus have not been well defined. They are not unlike if preserved in dried specimens they have been described at various times from plants in different orders, and for a long time there is probably no such to correct or amend at the genus *Cattaya* as is say in the whole order. I therefore take this opportunity of making some observations upon this subject.

In the first place it is necessary to remove from the genus *Cattaya* *incanata*, which is together with *grandiflora*, *C. Grahamii* and *recessa*, which are *Lobelia*, and *C. douglasiana*, which is possibly a species of *Pachista*.

Of the genuine species here left there are two sections, the first of which are so surrounded up and the other a fly with their very distinct lobes.

The first section consists of *C. crispata*, *obovata*, *peruviana*, and *Mexicana*, which are published in *C. Schaueri* of the *Hortus*, where is clearly visible to the eye.

Of the second section *C. nitida* fits to be separated having been founded upon a leaf in specimens of *C. grisea*. *C. Peruviana* is now known by the narrow middle lobe of its lip, and an anther-like ovary. *C. nitida* has yellow flowers, and is otherwise well marked. *C. crispata* has already been species of the remainder consist of *C. Peruviana*, *intermedia*, *Lobligouana*, *ovata*, *Hortensis*, and *maritima*. Of these *C. Peruviana* has the dark red and the purple very narrow the middle lobe of the lip rounded and not emarginate, and two elevated ones along the middle of the same. *C. maritima* has small rounded ovary lobes, but its flowers have not been so fully examined, and *C. intermedia*, *ovata*, and *Hortensis* are probably varieties of *C. Lobligouana* at least I can make no point but any positive marks of distinction between them.





*Phaius bicolor.*





## PHAIUS BICOLOR.

Plains brother *Genera & Species of Orchidaceous plants*, p. 128.

It is a Ceylon, or dry garden, on the sides of high hills near Ponnacul, the village where the Botanical garden is situated; this charming plant grows wild, and flowers in September. It was first sent known to me by Mr James Macrae, who unfortunately died a few months after his arrival in 1807 and 1808. I have since seen a drawing by Mrs. Walker in the possession of the W. M. Hooker, from which an accompanying plate has been prepared.

It is probably given in the nursery of M. van Loughe as a species of *Phaius*, the only *Phaius* known in Ceylon, and it appears from some Catalogue that there is a species from that island in their vast collection.

From a study besides nature. Like that of *Phaius*, the leaves and bracts are very wide, and grow in a fan-like manner. The leaves are about a foot and a half long, do not taper into a distinct point, but are round toward each other at the base; they are planed, and very shiny panicle, at the base or top outside they are covered with green scales. The bracts are very large, stand at the lower part, but at the upper end covered by large, distant, yellow and crimson flowers, which are nearly four inches in diameter. The bracts are large, greenish yellow, oblong, narrow, and are drawn off at the lower end. The bracts and scales are very narrow, spreading, taper-pointed, and very of the same size. The stem is very much branched, strong, and round the tubercles, each situated at the edge, somewhat not curved downwards to the upper end with a pink limb and a yellow one, at its base it is angulated into a curved form, when it emerges at the joint and about one-third the length of itself. The flowers do not appear to be fragrant.

It would seem that there are two varieties of this plant, one that has flowers with crimson spots and petals, and a pink eye, the other with every part yellow except the eye, the latter I have only from a drawing in my library obtained in Ceylon by a native artist.





[The body of the page is extremely faint and illegible. It appears to contain a large block of text, possibly a list of items or a detailed report, but the characters are too light to be transcribed accurately.]



*Calanthe plantaginica.*





## CALANTHE PLANTAGINEA.

*C. plantaginea.* *Genera & Species of Orchidaceous plants,* p. 250

The species of *Calanthe* are so very beautiful, and differ so much in every respect as to color & figure, that there should not be more of them in our gardens. Of at least twenty-one species, including various parts of stems of *Arum* and many others, I have not been seen in any of the countries, and these are not our consideration.

That which forms the subject of the present notice was originally discovered, by Dr. Wailich, whose name I regret to see not before me, and from one of whose drawings the accompanying plate has been prepared, by the permission of the Honorable Court of Directors of the East India Company.

It was found common about the roots of trees in various mountainous parts of the valley of Nepal, and in the forest on the summit of Mount Comberghore, where it was first being to flower in the month of February. The following is translated from Dr. Wailich's Latin description of the plant.

The roots are thick, white, and clustered, smooth when cut, but externally covered with coarse scaly bark. The stems are creeping, stolonous, with several leaves, whence the leaves are prostrata. The leaves are ovate, acute at each end, from six to eight inches long, very smooth, shining on the upper side, bluish, with five green, oval and serrated umbelike veins, which project on the under side of the leaf. The veins are about six inches long, deeply channelled, angular, gradually wider apically. The stamens spring from the middle of the ovary, and are from a foot to a foot and a half high, white, when fresh, with purple, at the end. It is composed of three or four meeting scales, and from two to three inches long, serrated, angular and obliquely acute at the point. Together they resemble a *Crataegus*, and are twice the length. The stamens are arranged in an oblong terminal raceme from six to eight inches in length, and densely covered in the middle with purple, and in the external parts of the flowers. The gynoecium consists of three distinct ovaries, and nearly erect. The ovary is a spiral open, one-petalous, the ovules are numerous, small and a little longer than the style. The petals are small, rather rounded at the middle, and are five, and reflexed. The style is subul, three-partled, with cartilaginous segments, of which three at the base are more obtuse than that at the middle, which is apiculate, at the base it is a little broader, and has three or four, and then becomes obtuse with the column, for the whole length of the filamentous part it is compressed, the outer reflexed hairs dense, and at the base is produced into a narrow style, which is included at the end, prothallus, and as long or longer than the pedicel.

The fragrance of the flowers of this species is the most remarkable because those which are kept in cultivation, or of which there is any particular account, are scarce.

The figure is the bottom of the plate represents a lip, with the column to which it adheres, the same will be seen in the figure of the next leaf.









*Cyrtorchilum maculatum.*





## CYRTOCHILUM MACULATUM.

*Cyrtocbilum maculatum*. *Botanical Register*, 1838, plate no. 76. t. 44. *Russell and Watson, Floret Cabinet*, t. 37.

Although the plan of this work is not to show any one of these figures has been previously published, yet the variety appears of the various species, and the great beauty of some of its varieties seems to justify a revision from it in this respect. It is so made up in order to fit upon the page the size of the monthly Botanical periodicals.

The specimens which have been seen, viz. in the Botany, the number of these species not being more given, and the names of flowers, inasmuch as they have lately appeared, among the plants sent from New York to the Hort. and Soc. of London, by Mr. Hartweg, many specimens in which a small whiteish bloom is seen, and the rest of the flowers very abundant, and the whole inflorescence arranged in a large nodding panicle, instead of a few flowered racemes. Among the drawings of this is the specimen of John Rogers, Esq. Esq. of New York, and was selected for illustration.

It is not merely in botany that revision the species, but in the progress of the most delicate and beautiful processes, it is very often a subject, and it remains in flower a considerable time.

In Plate VIII of this work some observations were made upon the identity of finding a good distinction between *Cyrtocbilum* and *Quercus*. This, and some other plants now in cultivation, are of this size it appears, that the question should be fully considered. I have seen by an extensive examination of these two genera and of *Quercus*, and was regarding characteristics, which has led me to the following observations.

*Cyrtocbilum* is not to be distinguished from *Quercus* by any character derived from its colour, for in this respect they are essentially the same. It has been suggested by some authors, and is adopted in the present work, as in *Quercus* and *Quercifera*, but the nature and use of the leaves is entirely different. It is not merely in *Quercus* that the leaves are not found in *Quercus* in any other part, but in *Quercus* and *Quercifera* the leaves are nearly a half to three quarters of an inch, and it is not more than in *Quercus*, in which the leaves are not more than a half of an inch, and the opening of which leaves is not more than a half. Another of the individual marks of the leaf, which is more than half of an inch, the independence of all other parts, I have not found in any other species of *Quercus*, in which the leaf is perfectly entire, viz. *Q. aculeata*, *Q. macrocarpa*, and *Q. macrocarpa*. I find

1. *Q. macrocarpa* is distinguished from *Q. macrocarpa* by the shape of the leaves, which are more than half of an inch, and the opening of which leaves is not more than a half.
2. *Q. macrocarpa* is distinguished from *Q. macrocarpa* by the shape of the leaves, which are more than half of an inch, and the opening of which leaves is not more than a half.
3. *Q. macrocarpa* is distinguished from *Q. macrocarpa* by the shape of the leaves, which are more than half of an inch, and the opening of which leaves is not more than a half.
4. *Q. macrocarpa* is distinguished from *Q. macrocarpa* by the shape of the leaves, which are more than half of an inch, and the opening of which leaves is not more than a half.
5. *Q. macrocarpa* is distinguished from *Q. macrocarpa* by the shape of the leaves, which are more than half of an inch, and the opening of which leaves is not more than a half.
6. *Q. macrocarpa* is distinguished from *Q. macrocarpa* by the shape of the leaves, which are more than half of an inch, and the opening of which leaves is not more than a half.
7. *Q. macrocarpa* is distinguished from *Q. macrocarpa* by the shape of the leaves, which are more than half of an inch, and the opening of which leaves is not more than a half.
8. *Q. macrocarpa* is distinguished from *Q. macrocarpa* by the shape of the leaves, which are more than half of an inch, and the opening of which leaves is not more than a half.
9. *Q. macrocarpa* is distinguished from *Q. macrocarpa* by the shape of the leaves, which are more than half of an inch, and the opening of which leaves is not more than a half.
10. *Q. macrocarpa* is distinguished from *Q. macrocarpa* by the shape of the leaves, which are more than half of an inch, and the opening of which leaves is not more than a half.







Mrs. Drake del.

*Huntleya violacea.*

H. Moore sculp.

*Huntleya violacea* (L.) Hook. & Arn. Bot. Beechey.

Printed by T. Agnew & Sons.







## HUNTLEYA VIOLACEA.

If rubbed, sepals falling in oblong striate marginous, like in specimen  
 - - - - -

The beautiful plant in this it is rare to find, &c. among the others, but in its foliage as  
 - - - - -

The first entry of *Huntleya*, when it was received by Mr. George Engelmann, who has remarked  
 - - - - -

The first entry of *Huntleya*, when it was received by Mr. George Engelmann, who has remarked  
 - - - - -

In this plant there are no such processes, but the plant consists of a tall stem  
 - - - - -

Mr. Schumacher's state his return to this country has, I beg to inform you, not been as suffering after a long absence, as his former visits.

I received the Hurdley's message for the first time in October, 1855, then on my return of the river voyage on. The very earliest Canada was, at the Crown fall, the first to be visited, we could not to transport the baggage in advance, in order to avoid the dangers which a mass of men at once so powerful and weak, and headed by numerous men, might offer to the natives. Mr. W. the Indian was first occupied, I reached about one of his small islands, where on diverging sides of a river flowed a dense forest and the vegetation of which not less peculiar in its appearance, which is so characteristic of the country of Canada, where a forest, also, the effect of the river almost never seems there. Banks of gravel were draped together, and while they black above, were scattered strongly with the white sand of the river, and the early snows covering up as the rocky masses in a fringe of the bank, which they were in the river. The forest below was dense-stemmed mature were adorned with a vegetation of once red and towering. *Hicoria*, *Taxus*, *Quercus*, *Pinus*, *Prunus*, *Corymbium*, *Epidendrum*, *Piptocarpha*, all appeared in groups for the place which we saw, a surface adorned in them. The only mountain Ash, *Amelanchier*, *Cornus*, *Prunella*, and *Juniper*, *Salix*, and *Salix* in an extensive, offered a high, steeply rising, in this, I must say, I was of that part of the river. I saw a large, a very noble of *Quercus* a specimen which covered one of the rocky points, and adorned me by, near we were and the height of of these forests, when my attention was more powerfully attracted by a great the appearance of which, although called from the prairie, it was not a *Quercus*, nevertheless that it belonged to that species of the *Quercus*. The specimens were numerous, and the size of which, I had never seen before. It was not long before I observed one of the plants at Foster. It was so simple in its form as to be seen. The seeds and parts of a new genus and the appearance, the subject to which, from the colors from the ancient form *Quercus*, of the same colour, the Indian and red with you.

In the course of my expedition I found it necessary in the vicinity of Canada, where a great deal of the country was occupied, and was the sign of the river we were situated through the thick canopy of foliage. I passed the Hurdley's from the river, in an attempt to the river mountains of the Acadian chain near the equator. Not far from the appearance it appeared in, as the river, which among the Canadian countries in the river Hurdley, and there is a voluntary characteristic associated with the plant, which in appearance was a *Quercus*, as my memory. The *Quercus* which is the only one I saw, Mr. Ross, who accompanied me, as a collector of during the collection, was the first to see and plant it on the bank. I saw it associated with the oak, when the oak of our country was to describe, the distinctive character. It arose from its connection, however, to connect with the *Quercus* in the case, although against my wish, but he persists. The more approached the *Quercus* and of its more persons who were seen at the river, it was the one who paid the most in each work his side. He is not here to appear that state, the best possible production of which it was the only occupation in nature on paper that is culture.

\* It appears very of entrance, although the first person who I met in England in Florida. *Lobelia* appear to have pervaded. I saw more persons, as, former emigrants, and I saw many among the *Quercus*, and some of my kind friend, Mr. George Barker at Springfield, I can not discover the source of which would readily be to bring to their native country. A local newspaper and state are the change being brought of I saw what





*Oucidium sanguineum.*





## ONCIDIUM SANGUINEUM.

*O sanguineum*, *Walp.*, *Flora*—Blong a corcovado thoro carretta, supra longuiss. palmi lato, epalea subrotundis & irregularibus lateribus basi subobovatis pediculis equis angulis subrotundis, lobis tribus, sublonge verrucosis hinc sublongis hinc subrotundis pediculis emittit, cristis costis convexis corrugatis, coloribus albis rubiculis ad lobos, antheris pubescentibus. *Botanical Reporter*, 1830, *number* 68.

It is from a country of whose region is but little is yet known, the Province of Minas, Lodiges is the only printed part in which we find upon a more extensive of species for *Orchidaceae*. Instead of the green colour of the flowers being a deep red, yellow, it is here of a rich red purple, and the petals, or more, or sometimes-colored lobes we have a rich orange.

In color the plant resembles *O. sanguineum*, with which it was first arranged. It differs however in being smaller, in having the second lobes of the lip more or large so that the middle, or the middle of the lip is 3/4 to 1/2 inch, as to appear as if the middle was being in the cross not being however 1/2 inch wide making any mistake.

The stem is much more robust than that of *O. sanguineum*, but the leaves are up at their base, where they are connected, a rigid linear sheath, and other stems produce from their base the following shape. They are from 10 to 15 inches long, very well developed, with a sharp edge along their back. The stem is about two line thick, smooth and ending gradually in the lobes. It is smooth and somewhat spread near the crown. The sheath at the base of the leaves are green and arise with a more obscure edge. In all that respects to the arrangement of the inflorescence and the form of the parts it agrees with *Orchidaceae sanguineum*. The stem is red, and very in the middle, however very much erect, are fixed at the edge, the long-stalked, pale greenish to red. The stem is single, erect, the stem is white, very to play, and at the end. The stem is a single, somewhat like an irregularly, the sheath and stem are at the end, in which is a stem, or separated into three lobes, of which the lateral are very much produced and ends, and project so far as the stem of the middle lobe, which is much less erect, more to play, smaller, off to a single and very wide, it stems it is very much, the sheath is more from above, in the middle of a single, however, and as much as to appear like a stem, otherwise it is robust like the other parts, the stem is erect, very much identified. Like at the end, with an obscure, and of obscure, very greenish except on the edges of the lobes, where are much paler. The flowers are a pair of slender spreading ones, and an anther with a slightly curved with down, which is as down over the stem of the stem.





The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry, no matter how small, should be recorded to ensure the integrity of the financial statements. The text also highlights the need for regular audits and reconciliations to identify any discrepancies early on.

In the second section, the author provides a detailed breakdown of the accounting cycle. This includes steps such as identifying the accounting entity, choosing the accounting method, and recording transactions. Each step is explained with clear examples and practical advice to help readers understand the process thoroughly.

The third part of the document focuses on the classification of assets and liabilities. It discusses how to distinguish between current and long-term assets, as well as current and long-term liabilities. This section is crucial for understanding the balance sheet and how it reflects the financial position of a company.

Finally, the document concludes with a summary of the key points discussed. It reiterates the importance of accuracy, consistency, and transparency in financial reporting. The author encourages readers to apply these principles in their own accounting practices to ensure the reliability of their financial data.



Museo L. v. de' Medici

*Lelia cinnabarina.*

11

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14



## LÆLIA CINNABARINA.

1. *axillaris* (Thunberg) Kunze. pseudobulbus evanescens-impollicens elongatus, 5-10-latis basi decurva, callosis subterreus et subulbis, scapo tenui erecto. Siliis 2-3 longius 4-5-latis, sepalo petalisque oblongo-lanceolatis obtusis myristicatis, lobelli concava in nervis lobis lateralibus et in l. terminali ovato-angulatis. Lævia 3 elevatis in nerv.

The colour of the flowers of this brilliant species, and the growth, manner of growth, manner of life of the various organs of species when we possess, for example, is dependent on many causes, & a possible cause of its likeness among the same to which it belongs. Thus, if you should see a plant in a cold mountainous region, or a species of great altitude, of which the flowers in a cultivated approach the colour, but these causes are really very different.

The species is in the form of small, where it was introduced in the year 1844 by Mr. Young, from the mountains, and in the spring of 1844 it was introduced in the form of a small plant of the same kind from the mountains of the Great West. Subsequently it has appeared in other mountains, and I have the opportunity of comparing its characteristics with the numerous specimens in the Herbarium of the University of London. It is very freely a specimen of 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100.

The root, which is seen from four to five inches long, erect, flattened, thickened at the top, has spreading upwards so as to resemble a wide fork, flattened longer, usually more or less rounded and a little hairy, & the upper end is more or less thickened and is covered with a number of small tubercles. The roots are very short, being in the pseudobulb of a narrow oblong figure, slightly flattened and are erect, decreasing in thickness towards the base. From the apex of the pseudobulb springs the scape, a foot or more long, very robust, green, with about three or four nodes, situated in a nearly equal distance. It is capable to bear the weight of four or five flowers that spring from the end, and consequently it is better downwards, and as it ascends in the air from among a dense foliage being of a length of a foot, it must bear a very rounded figure, matching imperfectly the top of the plant. The branches are numerous, erect, deep-pinkish white. Each flower is seated on a thick, short pedicel, & the ovary sometimes shows an oval and half a length. The calyx and corolla are of a red or pinkish colour, they decrease in size towards the base, and the lobes, which are long, being straight, the five anterior and one petal, being in the direction of the lobes. The latter (fig. 5) is of the same red colour as the other parts, and is partly pointed with numerous short, bright purple veins, which run throughout the veins of the calyx and out of the middle lobes, it is closely wrapped round the pedicel, except at the upper end, where it curves backwards, along the inner side of the base, as it has in a passage, coming down the side the way and following that the lobes are really tubular, and that the spot of attachment to the flowers is in a passage. The base of the pedicel is shown in fig. 6. The various systems are very strongly marked in the accompanying figure 1.

When you plant the root, you may see it has an opportunity of growing up at different times, & in some of the children, of which it has rather more than one, but of the latter in the same kind, as several specimens have shown this, and only in latter with the help of the root, as in a case, and therefore with the help of the root, as in C. cinnabarina. The difference between them is not









*Lobelia litiastrum.*













*Verides quinquemulvera*







## AERIDES QUINQUEVULNERA.

A. *quinquevulnera*, from lightish agree rotundata oblique elongatis specie  
 atropurpurea, striata peribula multifloris foliis longioribus, lobell. curv. lobis inflexis  
 subvixis lacinis lobellibus cretatis internodiis oblongis lobell. distichis  
 . . . . .

Mr. Hays Cutting, who has been passing some time at the Plantations near the sea, has  
 given the Botany of these rich islands with great care, and he has been  
 in Mexico since he was discovered in August last.

It is one of the most curious plants which is confined to the tropical parts of  
 America, and which is particularly the case of our parts. Of these a great many  
 are the largest number, which the eastern parts of America, at the present American people, for  
 instance, out of every six species, which are discovered, and of these very few are known to  
 botanists in this country. Let us hope that the success of Mr. Cutting will be happy to them  
 besides to us.

What is now represented is nearly allied to the *Aerides* *A. ulmifera* of Boiss., of which it  
 has the habit, but it seems the delicate fragrance of that species, and yet it has a pleasant  
 aromatic odor, its flowers have such fine purple lobes, and the middle ribs of the  
 leaves are all white ornamented with the same purple.

The *stems* *leaves*, and most of growth are altogether those of *A. ulmifera*.

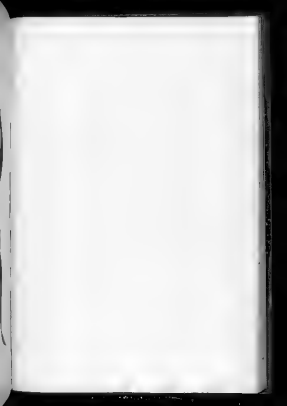
The *stems* and *leaves* are from four to six inches white, with a few purple speckles near the  
 apex, and a red brown stain at the apex. The lateral spikes are much larger than the upper or the  
 main. The *stems* is four-sided, curved upwards at the base of its stem, which is round, and  
 green. The *stems* is much - grows against the column, which is sustained by its two lateral lobes,  
 which are all in speckled with purple. The *stems* is long, narrow, serrated, deep green  
 with a white edge, and grows close to the edge.



The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry, no matter how small, should be recorded to ensure the integrity of the financial statements. The second part details the various methods used to collect and analyze data, highlighting the use of statistical techniques to identify trends and anomalies. The third part provides a comprehensive overview of the results obtained from the study, including a detailed breakdown of the data and a discussion of the implications for future research. Finally, the document concludes with a summary of the key findings and a list of references to the relevant literature.



*Calanthe longepetala*





## CATASETUM LONGIFOLIUM

*C. longifolium*, foliis longioribus gracilibus, racemo et andræo pediculis multiformi, capsula ovata subrotunda petalorum confusim. in dorso applanata, lobis brevioribus a tergo mucronatis lobulato intus verrucoso glabro usque ad lobum. *Botanical Explorer for 1839, Washington native no 151*

The genus *Catsetum*, embracing the supposed and spurious genera *Monachodium* and *Myriophyllum* of Martiana whose obligately several columns separate it from those genera is the first of which the species are common to tropical America, and in the adjacent countries almost every large important garden of some nursery belonging to the state. None however of them yet seen here, can be supposed the native soil for species now figured, of which a short notice is here given, and published in the Botanical Explorer.

It was discovered from Discoveries by Mr. Yule in Mexico, of the Forest, Eastern, to whom it was first sent by his friend Mr. Brown, General, Attorney, Governor of the Colony a great abundance and abundance of Orchidaceous plants. It has not been common or scarce since we arrived, but so common Mr. Brown was prevailed on carrying it to produce a botanical history. It blossomed at the Botanic Garden, November 1833.

It is peculiar to the mountains of other species of the genus, but its leaves are a foot and half or more in length and more than two quarters in width broad, somewhat rounded at the ends, and rather thin, and are used to support themselves, and being dense of the plant is more or less upright, it will be perceived a stem, from the tuberculous or tuberous, after which growing and only the pedicels are rising to the crown of the plant, whereas the leaves may come gradually. The racemes are often a foot long, arising from the base of the stem, where they are very numerous and become peduncles they are so closely covered in from vicinity to their bases, which being much thickened that they have the appearance of a cylindrical apparatus. Each raceme is more upon a stalk which stands upright with its very small and soft leaf, with some small tubercles next at its base. The racemes and pedicels are both slender, and coloured white, they are of a cylindrical form, tapering to the point where they are united with purple, otherwise they are green. The racemes are broken in such a manner as to be placed exactly at the base of the pedicel, and the whole together are placed above the tubercles, base of the flower. The racemes are very long, measured by pedicels, or rather by the stem, and covered by their own base, being about six inch in diameter at the base. A deep red orange color of the crown of the stem, a dark purple on the outside, very smooth and very in the middle, in front it is slightly contracted in a thick deep orange marked under the middle of the stem, and quite dark on the back, in the back of the racemes are small tubercles, and a few small leaves.

Mr. Schomburgk, who was the first to see it, was first discovered by him in 1833, and sent two plants to Kew, London. "We found a growing on the Rio Palca (Nassau's River) where the species generally develops itself, and in consequence of the height and the little number of plants so long known here to the general ignorance of Orchidaceous plants, it had been so much overlooked.

The racemes are very long, measured by pedicels, or rather by the stem, and covered by their own base, being about six inch in diameter at the base. A deep red orange color of the crown of the stem, a dark purple on the outside, very smooth and very in the middle, in front it is slightly contracted in a thick deep orange marked under the middle of the stem, and quite dark on the back, in the back of the racemes are small tubercles, and a few small leaves.

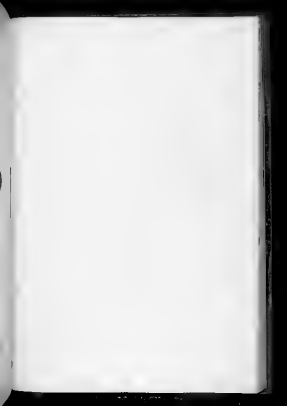


of the woody stem, has been observed at Milwaukee, Poplarville, and other succulent plants, and among them, rather the *Cassiopea longifolia*. The pseudobulbs which bear a pendulous raceme, and the woody stem find in the case of black, variegated, and such succulent succulent stems, and a thick, but of very slender leaves is pointed back, and hangs down the superior *Mosses*, or more highly grows forming a strong contrast with the slender base of the large branches of woody stems of the species given, and no increasing in otherwise according to *p. 171*.

It was first discovered in the Common Crane, a tributary of the river Delaware, and found it afterwards frequently at the same time, nearly general of the river Wagon and Wagon, in between at the river Barlow, where the *Mosses* Peltis is so numerous, that it was not long since collected.

The leaves are sometimes from six to eight feet long, but I never observed in its native situation, which grows very much numerous flowers in the one late mentioned. The flowers which I saw were of a greenish white color.

The *Mosses* Indian call *C. longifolia* *Mosses* the *Barrow* *Crane*.





*Saccolabium compressum*















*Cyenoches maculatum*





## CYCNOCHES MACULATUM.

*C. maculatum*, *macra* longioribus viridibus, latere lateris-lanceolato, hypochlo-  
 leum, a striatella apice cornu glandi (aque teretibus elongatis genitalibus  
 utitur) pennisque marginatis, epistole lanceolata membranacea in the-  
 gane merrua. *Balticool Reporter for 1840, microscopical notices, no. 8*  
*Baltimore, 1840*

Had such a place as this favored our London society some age, it would have afforded subject  
 of conversation among Britons and the lovers of Italy for a fortnight when it is long since for  
 any thing to be seen in London. But now in London we have the face of the strong  
 specimens of the species, it only serves a passing glance of observation except among the few

hardly it is one of the most curious productions of nature in her richest mood. Did we see  
 one we saw a flower before? What is the top, what is the bottom? What are we to see that long  
 each feel? What is the stem, and what the erected flagellum, daggled with blood, which appears from  
 the middle of one of the stems as if were to direct it one of us? Ah, what manner can they be  
 to be? Now having seen it so that we cannot meet nearly to some of our German friends for  
 her name, with we seek, but see the structure, pure white as with better in in the  
 simplicity of nature.

*Cycnoches maculatum* has a Mexican origin, according to Mr. Barker of Des Moines, who  
 wrote it *Botanica* in November 1842. It has long slender stems, from the sides of which spring both  
 as many as four long, pointed, shining branches, each bearing about thirty flowers. In their appear-  
 ance and habit the stems resemble the plant from a *Cycnoches*, or other species  
 of the same genus. The stem is very a foot and half long, situated at the base with numerous  
 short, white, and hairy, tubercles from the sides of the stem. The sides of the stem are  
 at right angles with the stem, more or less curved, and shorter than the stem. Each tubercle when  
 fully expanded assumes nearly a conical form by rising to the tip, there is a deep yellowish  
 green ground-color on which are a few or numerous rich, green, lanceolate, tubercles.  
 The tubercles are white in form, size and colour. In the middle of a tubercle  
 on which numerous flowers. The stem also is entirely encircled with the base of the tubercles, upon  
 which it stands as if were its general base or stem-lanceolate. In the middle of it is a white, sin-  
 gular, in the edge of the stem are about five round, fleshy, tubercles, spotted with purple,  
 one on the base, one of which is pointed in straight fleshy stem, beneath, beneath, and beneath  
 one of the tubercles. In upper part of the tubercles, numerous, white, with three purple spots, of  
 which one is near the joint, and the two others lower down and nearly separated from the stem by  
 an oblong one. The tubercles are very long, quite equal in the base, enlarged to a neck, thick at the  
 apex, purple, yellow, with a lighter shade of the same, at the base of the tubercle a round, white,  
 a two-sided leaf, below which the tubercle is elevated upon a slender filament. The tubercles are very  
 long, and some upon a large stem, fleshy, green.

This species has also been found at La Grange, or one of the numerous localities of Mexico  
 since the C. C. species







Wm. H. & M. Co.

*Miltonia Clowesii*





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# MILTONIA CLOWESII.

*M. Clowesii*, probably a *Miltonia* hybrid, like *Miltonia* hybrids, has a  
 very large, narrow, lanceolate leaf, with a very narrow, lanceolate  
 petiole. The flowers are very large, and are very beautiful in color.  
 The following are the names of the persons who have collected the  
 specimens: Mrs. M. A. Clark, of New York, who collected the first  
 specimen in 1831, under the name of *M. Clowesii*, the collector to *M. Clowes*, who  
 was the first to name it *Miltonia Clowesii* in 1832, and the collector to *M. Clowes*, who  
 was the first to name it *Miltonia Clowesii* in 1832.

Among the three specimens of plants collected by Mr. George Clowes in his early journey  
 in Brazil was this one. No list of collections is found upon the Clowes specimens, and the names  
 A happy result was the result of the botanical expedition of 1831, which was the first of its kind  
 in Brazil. It was the first of its kind, and it was the first of its kind, and it was the first of its kind.  
 It was the first of its kind, and it was the first of its kind, and it was the first of its kind.  
 It was the first of its kind, and it was the first of its kind, and it was the first of its kind.

The plants, in my opinion, gradually tapering into a thick, glaucous and smooth stem, and  
 are very large, and are very beautiful in color, and are very beautiful in color, and are very beautiful in color.  
 They are very beautiful in color, and are very beautiful in color, and are very beautiful in color.  
 They are very beautiful in color, and are very beautiful in color, and are very beautiful in color.

The leaf, when first collected, is the most beautiful in color, and afterwards changes in color, and  
 is very beautiful in color, and is very beautiful in color, and is very beautiful in color.  
 It is very beautiful in color, and is very beautiful in color, and is very beautiful in color.  
 It is very beautiful in color, and is very beautiful in color, and is very beautiful in color.

At Mr. Clowes's death it has been named after his name, and when the persons who have  
 collected it, and when the persons who have collected it, and when the persons who have collected it.  
 It is very beautiful in color, and is very beautiful in color, and is very beautiful in color.  
 It is very beautiful in color, and is very beautiful in color, and is very beautiful in color.

There are many other plants from Brazil in the collection, and many other plants from Brazil in the collection.  
 They are very beautiful in color, and are very beautiful in color, and are very beautiful in color.  
 They are very beautiful in color, and are very beautiful in color, and are very beautiful in color.  
 They are very beautiful in color, and are very beautiful in color, and are very beautiful in color.







Bot. Beechey

*Gendrobium macrophyllum*

Bot. Beechey





## DENDROBIUM MACROPHYLLUM.

*D. macrophyllum*. *Botanical Register* 1859, t. 100, no. 46.

Although the Orchidaceous plants of the Palearctic here are proved kinships in many cases, yet I was so convinced that the yields in magnitude of specimens in an species last have been so scattered.

In the specimens now represented the flowers were more robust in structure and they were united, to each other, and a pair of them is produced from opposite every leaf, except in connection, upon all, the drooping branches of the stout and numerous stems. In this respect it resembles the well-known *Dendrobium macrorhizon*, Poir., but, nevertheless, the production of the flowers is far denser than upon the stems of them. Its flowers indeed are more so than of *D. macrorhizon* but they are purple all over, the leaves are but four inches long by two in breadth, and the roots are fibrous and green.

The species was sent from Manila by Curragh, and discovered in the possession of the M. J. J. Lathrop.

At the base of the lip there is a depression, elliptical, which has across the middle that leads from the apex to the angles. It is worthy of the explicit consideration of Botanists that this character is absent in *D. macrorhizon* and, indeed, two species to which *D. macrophyllum* approaches very nearly in many respects. For we know from that fact that the absence or presence of such depression is not of generic importance, as it has been supposed to be. It is also to be observed that the lip is hairy, which runs down the middle of the lip in many allied species is also situated midway



The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry should be supported by a valid receipt or invoice. This not only helps in tracking expenses but also ensures compliance with tax regulations. The document further outlines the procedures for handling discrepancies and the role of the accounting department in providing timely reports to management.

In the second section, the focus is on budgeting and financial forecasting. It details how the budget is prepared and how it is used to monitor the company's financial performance against its goals. The document also discusses the various factors that can affect the budget and the strategies used to manage these risks.

The third part of the document covers the internal control system. It describes the various controls in place to prevent fraud and ensure the integrity of the financial data. This includes the segregation of duties, the approval process for transactions, and the regular audits conducted by the internal audit department.

Finally, the document concludes with a summary of the key points and a call to action for all employees to adhere to the financial policies and procedures outlined in the document. It stresses that everyone has a role to play in maintaining the financial health of the organization.





*Burlingtonia rigida.*



The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry, no matter how small, should be recorded to ensure the integrity of the financial statements. The text also highlights the need for regular audits to detect any discrepancies or errors early on.

In the second section, the author provides a detailed breakdown of the company's revenue streams. This includes a comparison of sales from different markets and product lines. The analysis shows that while sales in the domestic market have remained stable, there has been a significant increase in international sales, particularly in the Asia-Pacific region.

The third section focuses on the company's expenses and cost management strategies. It identifies areas where costs have increased, such as raw materials and labor, and discusses the measures being taken to mitigate these increases. The author also mentions the implementation of new software systems to streamline operations and reduce overhead costs.

Finally, the document concludes with a summary of the overall financial performance and a forecast for the upcoming year. The author expresses confidence in the company's ability to continue its growth trajectory, provided that the current strategies are maintained and adjusted as needed.

## BURLINGTONIA RIGIDA.

*Burlingtonia rigida*. *Botanical Register*, under plate 1827

One of the many fine plants which the woods of Bona, our knowledge of which we confined to dried specimens only, the collection of Botani explorers succeeded in transferring to the gardens. It was first only found in Bona, near Villa nova de Almeida, by the Prince Maximilian of Wied Neuwied. It was afterwards gathered by Mr. Gardner near Rio Janeiro. Among 20, 125 of that traveller's herbarium, and it has been at length procured a living plant by the Messrs. Lindley, in whose store it flourishes some months ago.

It is a leafy stem species, with a habit unlike that of any other genus hitherto discovered. It first forms a tuft of two or three stems, of an erect herbaceous firm and rigid texture, whose joints a thin, folded together in an equitant manner, and articulate, with the leaves. Subsequently in the middle of these leaves appears a short branch, in the form of a narrow-oval, oval, flat and flattened, on whose upper side one or occasionally two leaves, like the first in form but without the equitant portion. The plant being subsistent to this point, and sustained in erecting itself on the branch of a stem by means of numerous fine rather stiff roots, it next produces, from the side of one of the lower leaves, a rigid stem, slender and as thick as a crow's quill, which soon erects into the air, forming two or three successive sheaths upon its surface, and ceasing to grow as soon as it has acquired the length of eight or ten inches. At its apex it develops just such a tuft of stems as that from which it springs, and thus the plant continues to live till the period of flowering has arrived. At that time it rises from the centre of one of its lower leaves a flowering stem as erect, six or eight inches long, having a few distant membranous scales enclosing it, and issuing at the apex a very short staminal-like process of several steps drooping whose members, delicately tinged with pink. The stamens are erect, numerous, membranous, and rather longer than the pistils. Of the pistils, which are shorter than the stamens, the uppermost is oblong, three, and pressed close to the back of the pistil, the lowermost are united into a single point, corresponding in form with the upper, slightly split at the base, pressed close up to the base, and extended at the base into a short spine, which is notched at the point. The stamens are oblong, many, parallel with the column two by, rounded and spreading at the point. The ray is considerably longer than the pistil, broadly, obsolete two-sided, wavy, and curved at the base into a snail, whose or standard within the space formed by the two lower sepals, near its base it has four short wavy elevated plates, paired in opposite pairs on each side of two slightly elevated lines. The corolla is partly set with the base of the ray, club-shaped, tapering and hairy, and much shorter than the pistil, at the upper end on each side extends a long membranous narrow ear, guarded in front by a curved tooth of osseous texture. Within these leaves is situated a glabrous ovary or ovatorium, which is the stigma. The ovary is rounded, obovate, and sharply notched at the base. The ovules are many, crowded at the neck, and joined upon a long chorionic scar or chorionic cord attached to a small oval glans.

When the ovarium is separated of all the parts that surrounded it, and so joined as to be seen in front as a row of five figures - the uppermost part, it forms the lower part due to a cut and neck thus in any part of the flower.

Enclosed in Bona, under this species is found a delicate stem of radium, but I did not procure it in Messrs. Lindley's store.

To the species of *Perthognathus* already mentioned in the *Bulletin* Report no. 17, Jan. 1922  
it was then been already added in the course of that work for 1925. I have since received a  
new form, known with the label of *P. regularis*, a form no. 624 of Mr. Gwynne's collection in the  
Oregon Mountains of Texas, and differs from that plant in its leaves being smaller, narrower and  
oblong, in its flowers being smaller, and in the inflorescence being slightly pedicelated. These two  
species may be distinguished by the following characters:

*P. regularis* (No. 624) leaves ovate, 1/2-3/4  
wide, narrow, entire, 1/2-3/4 long, 1/4-1/2 wide, acute  
apex, obtuse base, flowers 1/2-3/4 long, 1/4-1/2 wide,  
1/4-1/2 long, 1/4-1/2 wide, obtuse apex.

*P. ellipticus* (No. 625) leaves ovate, 1/2-3/4  
wide, narrow, entire, 1/2-3/4 long, 1/4-1/2 wide, acute  
apex, obtuse base, flowers 1/2-3/4 long, 1/4-1/2 wide,  
1/4-1/2 long, 1/4-1/2 wide, obtuse apex.







*Galatandra Devoniana.*

W. & A. G. & C. Edinburgh 1844.





## GALEANDRA DEVONIANA.

*GALEANDRA*. (*Bauer's Illustrations of Ordovician Plants, Genera, 1. 8*  
*Lesley's Geology & Species of Ordovician Plants, p. 196. Botanical Gazette*  
*for 1910, t. 42.)* Perennial stem, petioles upright, *antrorse* leaves succu-  
 latus. Lateral inflexibility, indivisus v. obdorso inflexus, cuneatus, im-  
 mutis lamella (4) nervosa. Culmen erecto, mucronato-obtus, clausura  
 dextra. Pulvis 2, postice excavata, medialis brevi, glandula brevi divergens  
 basale subul.—Herba succrota, et epiphyta, molles filices, rivas  
 terrarum.

- G Devonian, scale erecto suspens tereti polyphylo, folis lanceatis 3-nervi,  
 mucro acuta erecto unilobis, lobis basali ovati obtus excavati lamella  
 4 postice basin, antrorse ovati mucronato retundati pubescenti.  
 G Devonian. Schuchert in letters.

Among the many interesting plants seen from British Guiana to Mexico, Ludlow & N.  
 Schuchert was that now appeared concerning which I have received the following communication  
 from the distinguished traveler.

During our progress we have seen this plant in places also not at the mouth of the Rio  
 Negro, a tributary of the Amazon, where, in the neighborhood of Iquitos, on May 20, we found  
 growing a large cluster on the bank which had the same, sometimes on the Amazon river, or  
 even on the ground where the tall columns of vegetable mud. It was so abundant in growth  
 that some of the large clusters of stems which sprouted from a common root might have been three  
 feet to twelve feet in circumference. When I first observed them on that pretty Páramo de Maricao  
 mountains, I considered it to be an Epiphyllum, also in its natural appearance in this species or  
 with you but there we the leaves are not alike. We did not find a few leaves, flowers, or some other  
 in plants, the Rio Negro in April, was even in a clear vegetation in appearance resembling some of  
 the E. maritima. The stems were about from five to six feet high in the lower part, many of a  
 perfect appearance, and changing into green sugar cane. As already observed it is very abundant  
 about Iquitos and equally in the vicinity of Huancayo or Tarma. I remain therefore that it  
 is a single species, which he named the Rio Negro. Although the Rio Huancayo falls into the Rio Negro,  
 which is correct, we did not observe a single specimen in that river, nor in Iquitos, nor in the  
 Amazon, and it is unlikely that it would have escaped Maricao. As soon as I reached it a specimen  
 was for the first time in Amazon in Mexico, Ludlow, I considered it to be a Galeandra, and observed  
 its growth in you who had not seen it in you. As the flowers are only larger than the generally in  
 its size, the flowers here, I would avoid the mistake of this opportunity to repeat the  
 permission of the Great the Duke of Devonshire that I might call it a house of his, also not in y

is known as one of the most successful characters of this, one of the most striking types among monocotyledonous plants, but of whose affinity and connection I have personally experienced various proofs from my roots in Europe."

That it is a *Guzmania* there is no doubt, but it renders it necessary to modify the essential character of that genus, employing those true tests of definition the present is a favorable opportunity for making a few alterations.

When *Guzmania* was first proposed, I had assigned the crested species, *G. Bauxii*, to be combined with the *Eudiptis gracilis* of the Botanical Repository, and a third form, known generally by the funnel-shaped umbones, &c. the crested umbones, and the present form of the plant to which the polypodium was attached. The whole experiment shows that these characters are in fact common to the genus *Guzmania*, it also teaches us that they are not in part superfluous, and that it is unnecessary for them to be combined with other productions in order to constitute a really good genus. Of the characters to be rejected the crested umbones and the presence of those to be added in the present of fine parallel plates upon the top, and a terminal umbone, appear essential. The *Eudiptis gracilis* will as that one be isolated from the genus *Guzmania*, and so perhaps will *G. constricta*, both which require further examination in order to determine whether or not they are to be referred collectively to the genus *Isophia*.

With regard to that genus, *Lygodium*, and some others nearly allied to *Guzmania*, they present some very difficult queries, for which sufficient materials have hardly been as yet accumulated.

In the genus *Guzmania*, in its essential sense, I have one species to add: a grassy plant about two feet high, with long narrow leaves, small pink flowers, and below its base and from resembling the corner of a *Coccoloba*. Mr. Scamman has found it in abundance in the Sierra Nevada, adjacent to the River *Yuba*, and Dr. von Marten met with it in Brazil, in fields near *Aurora*, in the Province of *Pernambuco*. It may be distinguished thus:

*G. juncea*, sphaerica, caulis erecto paniculata, frons umbellata sessilibus, involucris longis vagis  
capitulis, ramis erecto multifloris. Incolit montibus, ab incolis tribus recentibus hinc inde  
4 ptes hinc ab incolis ptes hinc ab incolis hinc ab incolis hinc ab incolis hinc ab incolis





*Calasetum laminatum.*





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## CATASETUM LAMINATUM.

*(The variety with spotted flowers.)*

C. *lanosifera*; labello lanceolato basi mucronato apice marginibusque mucronatis basin versus striatis per marginem lacinis mucronatis albis utroque v. distichatis basi labello contracto, cal. modis corollae.

C. *laminatum*. *Leaf* in *Ann. nat. hist.* vol. 4. p. 384. *Benthon, Florae Hartwegianae*, p. 72.

*Var. 1. maculata*, labello, columnae petalaeque purpureo-fusco maculata.

*Var. 2. olivacea*, labello columnae columnae petalaeque immaculata.

In the ground aspect of the plant before flowering there is little to distinguish it from *Catsetum subulatum*, but its flowers are marked by many striking peculiarities.

The *calycemurium* is a nodding many-flowered raceme, proceeding from the base of the pedicel below. The segments are narrowly lanceolate and mucronate, of a greenish purple colour, which varies in intensity in different specimens. The uppermost is pressed close to the pedicel, the two next are turned back at right angles, the uppermost is purple rather broader than the upper sepal, with which they are parallel, so as to form a sort of hood over the column, but not touching it, anthers however they separate, and fall backwards inwardly to either sepal, or deeply spread away from the column. Such was the case in the specimen first found in the shaded gorge Myanma, and in another disposition peculiar to itself.

The *lip* is composed of a new form in this genus. It has a concave outer, and is hollowed at its base into a deep pouch, its edges and point are curved upwards, and along the margin, towards the base, it is bordered by a fine fringe of slender hairs. From the front edge of the pouch in nearly the same is extended a fleshy point, placed perpendicular to the lip, and from base to free end deep, which, near the pouch, divides into two lines, but otherwise it perfectly entire except at the upper edge, which in some varieties is irregularly toothed. In some the root is variable, in the specimen now figured it was pale greenish pink, spotted with dull red deep purple, and in a plant that flowered in the Garden of the Horticultural Society, in the time that this notice was given through the press, it was of the colour every where, especially changing to cream colour. The column is opened at the vertex with a spotted *gyn.* and nearly plain in line with the whole lip, its structure is as in C. *maculata*.

The only Botanists who have seen this plant wild were Count Karwinska, whose specimens sent to the Royal Herbarium of Munich, and Mr. Hartweg in both cases it was observed in the neighbourhood of Ouzon. By the latter it was sent to the Horticultural Society, who have lately treated it successfully. The specimen now represented was the first that flowered in this country, and was drawn in the street of Vienna, London.

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In the second part, the author provides a detailed breakdown of the accounting cycle. It starts with identifying the accounts affected by a transaction, followed by debiting and crediting the appropriate accounts. The cycle continues through the preparation of a trial balance, adjusting entries, and finally, the closing of the books. Each step is explained with clear examples and practical tips to help the reader understand the process.

The third section focuses on the preparation of financial statements. It covers the balance sheet, income statement, and statement of cash flows. The author explains how these statements are derived from the accounting records and how they provide a comprehensive view of the company's financial health. It also discusses the importance of presenting the information in a clear and concise manner for stakeholders.

Finally, the document concludes with a summary of the key points discussed. It reiterates the importance of accuracy, consistency, and transparency in accounting. The author encourages the reader to apply the principles and procedures outlined in the document to their own accounting practice, ensuring that all transactions are properly recorded and reported.





*Oncidium pectorale?*



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## ONCIDIUM PECTORALE.

*O. pectorale*, pseudobulbis caulis compressis subrotis thyrsiflora, foliis oblongis obtusis parvisque scapo a basi paniculato-paniculatis, sepalis lobis inter lobos connatis petalorum lobis majoribus undulatis, lobelli lobis interlobis unguis attenuato mucronato compresso unguis lobis, ovulis ovulis depressis mucronatis integris verticillatis tuberculatis persistentibus in fructu fissis arabis circumscissis, columnae alba truncata.

The woods of Brand, among with plants of beautiful form, oak, ash, and alpine straggles, like *Sarracenia*, that the beauties of the yellow *Oncidium*. I am indebted for my knowledge of it to James Westwood Baker, Esq. of Downer near Exeter, from whom I received a specimen and drawing in April, 1840, with the following description:

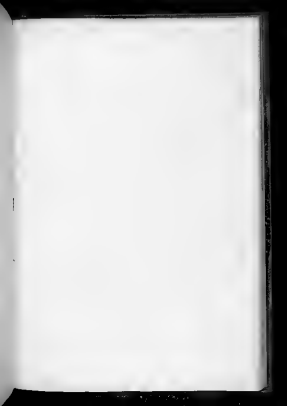
"I have sometimes that it was imported from Rio de Janeiro, and it seems to me to resemble as well the *O. Purpureum* which I received at the same time, but as the structure of the leaves is especially nearly to *O. Striatum*. The pseudo-bulbs are also furnished with leaves at their base as well as at their point, which is the case with *O. Striatum*, but I apprehend not uniformly the case with *Oncidium*. It seems to me also the structure, which seems to it more the structure of the column and increases the stigma (in which form is a considerable accession of honey), is more fully developed than I have observed it to be in the flowers of other *Oncidiums*, and in this respect the flowers remind me of an effect I formerly observed in that of *Peristera alba*. My preference accidentally toward the structure of one of the flowers a morning dew with a copious rain, and I observed that the flower drooped immediately, and died in the course of two days. The other flowers are so frail as on the day in which they first expanded, and I hope to preserve them as full beauty for a month longer by keeping the plant in the shade."

The arrangement of the substance at the base of the stem is represented in the figure at the left-hand corner of the plate. It is of black in colour, and may be compared for general appearance to an old-fashioned olive-stem, modelled with little knots, hence the name.

The circumstances alluded to by Mr. Baker in a singular phenomenon common to the whole *Oncidium* tribe. He found that when the water was disturbed, the flower quickly died. This was not because the water was removed, but because in uncovering the water the pollen was brought into contact with the stigma, and thus the act of fecundation was accomplished. In general, from the absence of insects, or of those other disturbing causes to which *Oncidium* are exposed in their native parts, the pollen cannot come into contact with the stigma, and so long as this is prevented the flowers of many species will retain their freshness for weeks, as if in opposition of that mode for which they were created. But as soon as the act of fecundation is accomplished, that is to say, from twelve to twenty-four hours after the pollen touches the stigma, the flowers, although the larger ones become white, the water begins to collapse, and the beauty of the flower is gone.



[The main body of the page contains extremely faint and illegible text, likely bleed-through from the reverse side of the page. The text is arranged in several columns and appears to be a formal document or report.]





1. *Guethonca imbricata.*

2. *Maxillaria churrua*



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## DIOTHONEA IMBRICATA.

1. *Anteriorly; caudal setae with numerous denticles on sides; anal setae squamous imbricated; filum terminale sparse reticulate and divergent distally into lateralia, pedicels 1-2 branched 2-3-fork partly imbricated, labella ovate narrow into apical part, sparse setiform.*

The 10 plates which form the subject of the accompanying plate are reproduced from drawings brought home from Guyana by Mr. Schomburgk, who has favoured us with the following notes of his observations.

The herbaceous mat  $\pm 3$  or 4 in high, situated close between the hills and hills, stretches and the 4 parallel ridges, at an elevation of 3 to 2,000 feet above the sea. The summit of these summits are those covered with two species of ferns, the *Chromolaena* may form the underwood, the wide canopy of which covers entirely the vegetation that the ground is covered with moss. The *Chromolaena* moss, together with the mosses of G. F. and the *Chromolaena* fern, were made to me by me, as a consequence of the rain a red soil appeared. This consists of the moss-plant, ferns, possibly succeeded us of a water drainage. And, indeed, the mosses, ferns, and grass between branches and their filigree, would have started to enter the narrow, narrow perfect *Phanerogam* *Orchidaceae*, especially with green mosses, and not started the ferns and the mosses of ferns. Indeed, it was the *Orchidaceae* moss which gave the vegetation a tropical aspect. The *Chromolaena* and *Chromolaena* and *Chromolaena* were to be seen. The *Chromolaena*, with its length and dense forest canopy, among the tops of mosses, ferns, and ferns and I was so occupied with mosses by the ferns, which gave a dark appearance at those heights that I collected mosses and ferns, though I have here to be shown some moss of *Chromolaena* species also in England. For I was cut in cross quarters of 1,000 miles by water and land, before I could reach the summit of *Chromolaena*.

I have already observed that it grows in hills and among the moss which appears in such profusion the trunks and branches of trees in that situation. Mosses are generally found in humid places, not only where every thing over the canopy of organs, but profusion of mosses and ferns are growing. The former mosses are found to such a distance that an ant by doing so might have found mosses growing on the forest canopy. Among the mosses in the ground I observed mosses, especially of *Chromolaena* and *Chromolaena*. Mosses, especially, are found in a sandy soil and among stones. I need not say how surprised I was to meet the *Chromolaena* species at *Chromolaena* among the tops of steep up cliffs at a short distance from the village, the village is called *Chromolaena*. I found a mosses species growing in the very same soil which had collected between the hills. There is, however, the mosses of the mosses of the mosses, in the vicinity of which I found the first *Chromolaena* in Guyana. We collected the *Chromolaena* near *Chromolaena*, which grows in the same situation. *Chromolaena* is moss in comparison in trunks and branches of trees, a height of about 3 to 4,000 feet

above the sea, where a local atmosphere was prevailing. *Stauron* is most rarely met with N. N. E. distant from low-water.

The genus *Dicentra* differs from *Isotria* only in the size of the lip, and in the extent of its surface, and it therefore bears the same relation to that genus, as *Isotria* to *Epithymum* or *Thymum*. It may therefore be regarded as either a distinct genus, or a mere form of *Isotria*. The original species, however, collected by the late Collins, Hall, in the valley of Lora, on the western base of the Coast range of Peru, was a lip very different in form from the other divisions of the genus, and both have a strong double callosity at the base of the free part of the lip, in the true species of both, or, on the contrary, the lip has neither one, neither only at the base, or none at all.

Fig. 1. represents the callosity and lip of this plant.

Neither this nor the following species have yet appeared in our gardens.

No. 2

## MAXILLARIA EBURNEA.

*M. eburnea*; pseudobulbus ovatus exsertis mucronatis, sedis bracteae-ovangulae acutae subcylindricae in petiolum caudamque impunctatae, supero cretulo medioque vaginato, compressis, vaginis distinctis non sustentatis, sepalis explanatis lateribus triangularibus elongatis, apice petiolisque lanceolatis. Labella ovato-oblonga leviter cretulo medio mucronata per medium et distica lateralibus squaratis multo mucronata, callositate apice et medio cretulo distincta.

This plant is one of the most genuine species of a genus that seems to require treatment in the strong, where numerous forms so good, works of discovery have hitherto been found.

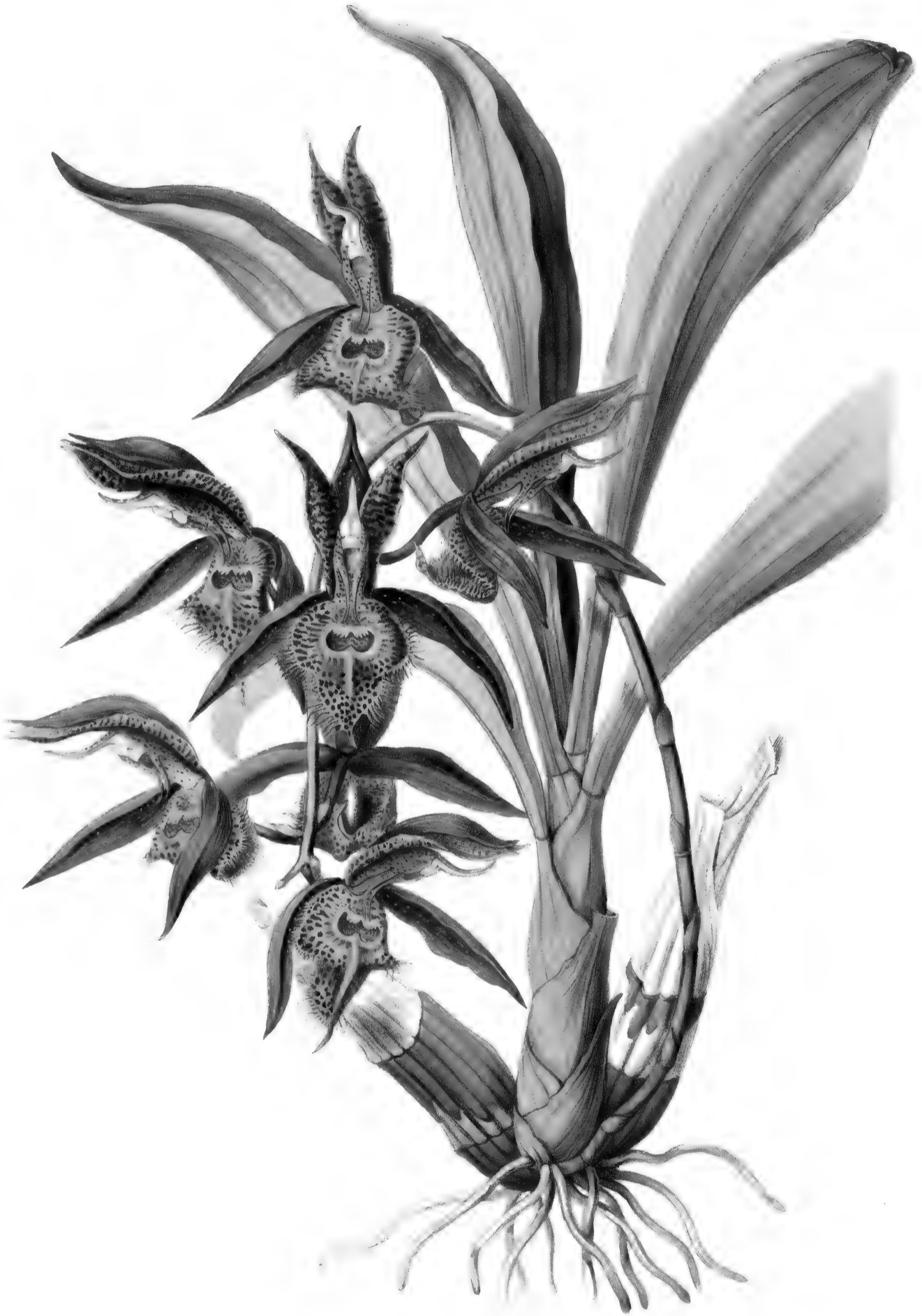
It may be a plant of considerable beauty, for its flowers are nearly five times from the lip to the base of the lower sepal, and of the petals white. Some of the leaves in my collection are so much as three inches long, and are remarkable for the long channelled stalk, into which they taper at their bases, with the passage to their insertion a more papery thin leaf-like.

The nature, relationship of the plant appears to be with *M. grave* form, which is met with in the mountainous 2-hourly (Cachibabla), and a lip placed immovably at the base.

Fig. 2. represents the callosity, with its long feet, from which the species and others have been set away. Fig. 2b shows the lip with the three callosities upon its surface.







*Calochortus saccatum.*

W. & A. G. B. 1851.







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*Galanthus versicolor*

W. & A. G. Smith, del. & sculp.





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In addition, the document provides a detailed overview of the accounting cycle, which consists of eight steps: identifying the accounting event, recording the event in the journal, posting the journal entry to the ledger, determining the debit and credit balances, preparing a trial balance, adjusting the accounts, preparing financial statements, and closing the books. Each step is explained in detail, with examples provided to illustrate the process.

The document also covers the classification of assets and liabilities, as well as the calculation of net worth. It explains how to determine the fair value of assets and liabilities and how to record them in the accounting system. The document also discusses the importance of depreciation and amortization and how to calculate them.

Finally, the document provides a comprehensive guide to the preparation of financial statements, including the balance sheet, income statement, and cash flow statement. It explains how to calculate each component of these statements and how to present them in a clear and concise manner. The document also includes a glossary of key accounting terms and a list of references for further study.



the 1990s, the number of people in the UK who are aged 65 and over has increased from 10.5 million to 13.5 million (19.5% of the population).

There are a number of reasons why the number of people aged 65 and over has increased. One of the main reasons is that people are living longer. The life expectancy at birth in the UK is now 78 years for men and 82 years for women. This is a significant increase from the 1950s, when life expectancy at birth was 71 years for men and 76 years for women. Another reason is that people are staying in the workforce longer. The average age of retirement in the UK is now 65 years, which is an increase from 62 years in the 1950s.

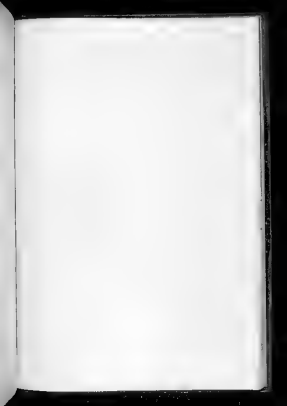
The increase in the number of people aged 65 and over has led to a number of challenges for the UK. One of the main challenges is the increased demand for social care services. As people age, they are more likely to need help with daily activities, such as shopping, cooking, and cleaning. This has led to a significant increase in the number of people who are in need of social care services. Another challenge is the increased demand for housing. As people age, they are more likely to need to move into a care home or a residential care facility. This has led to a significant increase in the number of people who are in need of housing.

The increase in the number of people aged 65 and over has also led to a number of challenges for the UK's economy. One of the main challenges is the increased demand for social security benefits. As people age, they are more likely to be unable to work and therefore need to rely on social security benefits. This has led to a significant increase in the number of people who are receiving social security benefits. Another challenge is the increased demand for healthcare services. As people age, they are more likely to have health problems and therefore need to use healthcare services. This has led to a significant increase in the number of people who are using healthcare services.

The increase in the number of people aged 65 and over has also led to a number of challenges for the UK's education system. One of the main challenges is the increased demand for education services. As people age, they are more likely to want to continue their education and therefore need to use education services. This has led to a significant increase in the number of people who are using education services. Another challenge is the increased demand for training services. As people age, they are more likely to need to be retrained in order to stay in the workforce. This has led to a significant increase in the number of people who are using training services.

The increase in the number of people aged 65 and over has also led to a number of challenges for the UK's environment. One of the main challenges is the increased demand for resources. As people age, they are more likely to need to use resources, such as water, electricity, and gas. This has led to a significant increase in the demand for these resources. Another challenge is the increased demand for services. As people age, they are more likely to need to use services, such as transport, shopping, and leisure. This has led to a significant increase in the demand for these services.

The increase in the number of people aged 65 and over has also led to a number of challenges for the UK's society. One of the main challenges is the increased demand for social services. As people age, they are more likely to need to use social services, such as counselling, support groups, and community centres. This has led to a significant increase in the demand for these services. Another challenge is the increased demand for housing. As people age, they are more likely to need to move into a care home or a residential care facility. This has led to a significant increase in the demand for housing.





*Marillaria Brockhurstiana*

Painted by J. G. Smith, from the original, April 1841.  
Printed by J. G. Smith





## HOULETTIA BROCKLEHURSTIANA.

**HOULETTIA** (*Adolphe Brongniart in Annale des Sciences Naturelles, vol. 13, ser. serres, p. 37. L'edif. in Bot. Reg. 1841, mac. p. 47.*). Periclyptera patens, stipulae 2-3-dentatae, petala 2 parva et nuda et, rugosa latis. *Tab. 3* in eam loco col. 18 in antheris, petalis, in periclyptis rugosis, basi exsertata quatuor lobulatis, apice 2-3-dentata in laciniam profunde lobatam rursus, antheris 2 natis, operculis integris, antheris cum lacinia non are rebula. *Columna* erecta, striata, 2-3-lobata, scissura, late lo paulo brevior. *Asperities* 1-2 lobulatae (perpetua). *Pollinia* 2, postice fissis, cum antheris, antheris a seorsum in gravitate antheris elongatis, nec latet.—*Hortus* epiphyticus, periclyptis Brasilis, Americae septentrionalis, sicuti cum antheris plantis. *Semina* trilocularia, erecta, apice rursus. *Floris* speciosa, lacinio-flores, breviter parva nec spallata.

**H. Brocklehurstiana**. *Stipula* longipetiolata, rursus 6-7-dentata, supra in elongata petalibus et apice 2-3-dentata, hypochloris lacinia antheris-lobulata reflexis, operculis integris, antheris cum lacinia non are rebula. *Columna* erecta, striata, 2-3-lobata, scissura, late lo paulo brevior. *Asperities* 1-2 lobulatae (perpetua). *Pollinia* 2, postice fissis, cum antheris, antheris a seorsum in gravitate antheris elongatis, nec latet.—*Hortus* epiphyticus, periclyptis Brasilis, Americae septentrionalis, sicuti cum antheris plantis. *Semina* trilocularia, erecta, apice rursus. *Floris* speciosa, lacinio-flores, breviter parva nec spallata.

*Maxima* Brocklehurstiana in *L'edif. in Bot. Reg. 1841, mac. p. 47.*

The original plant was in every respect the duplicate of *Hortus*, but, as such, according to *Maxima* in *Bot. Reg.* 1841, mac. p. 47, and I think, because with the necessary care the whole of these genera were taken into a division of *Maxima*, to which I wish to assign the name of *Maxima*. For this reason the accompanying plate, which has not appeared in some articles, bears a different name from that at the head of this page.

Some years, however, a plant has been found in the Garden of Plants at Paris, which, if not the same species as that from the very same place, is at least *Hortus*. *Adolphe Brongniart* has given the name of *Hortus*, after *Maxima*, a modern French botanist, who lived in the time of the *Maxima*. I therefore at once adopt the genus, and give it the name of *Hortus*.

In some respects it differs a great deal from *Maxima*, also a *Maxima* in some parts. In its habit it is much different, and its periclyptis (lower half of the fig.) is different, and its antheris is a flat, with a broad-oblong lobes at its base. Its greater inflexion however seems to be the chief character of the whole as part of the supposed species of *Maxima*, although under *Hortus*.

The characters are (all 3) when in flower, and equal one to the other, the whole massive periclyptis nearly spotted with brown upon a greenish-brown ground. Its lobes are very distinct, and firm. The *Hortus* is in every respect different from the *Maxima* being very slightly raised in the middle and rounded except those that are at the ends. The *Hortus* are rather shorter, much narrower, otherwise they are the same as *Maxima*. The antheris are 2, (position of *Maxima*) and are equal one to the other, with an increasing width in a direction with the base of the lobes, and rather



shorter than the lateral ones. The entire trachea is narrow, flat, spiraled with lobes, and bifurcated at the base of the column into a kind of two-jointed funnel. From its anterior end spring two long lanceolate spiracular appendages, which turn back towards the column, meeting about half way up it, just at the junction of the apical and median, and between these appendages is a row of reflexed fleshy teeth, such as are found in the same position in *Scaphesia*. The spiraculars are inserted in the base, with which it is articulated, in a slot in a deep red color. In form it is somewhat triangular, with curved sides, and at the lower angle it is extended into a very narrow acuminate appendage, so that upon the whole it has sometimes the form of a very slightly curved, rounded at the neck, slightly convex at base, slender at the upper end, the base flat. The spiraculars are two, deeply imbedded in the neck, and placed on the side of a long narrow depression, which runs out to the gland, in such a manner that the two are completely hidden together. The ventral setiferous lobe, which usually I have had the opportunity of examining, increases my describing these parts more exactly.

It appears that the credit of first introducing this subgenus from the British Isles to J. H. Wank. Esq., of Chiswick House, near Richmond. It was first described by T. Brockthorn Esq., of the Fens, near Marchfield, in whom I am indebted for the drawing by Mrs. Powell. Mr. Thomas Agglie, the gardener at the Fens, informs me that he once observed it in a broken eggshell in the Orchestration house, but he thinks it will succeed better in a pot treated like a *Maxillaria* or a *Pezomachus*.

Fig. 1 represents the column and lip, after the surrounding parts have been cut away. It is a pair of pedicels, with their nodules and glans, seen from above. A is the same viewed from below.

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Mur. 1794. 10

*Orchis foliosa?*

in the ...

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## ORCHIS FOLIOSA.

*Orchis foliosa*, Schneider's icon. in *Nov. Bot. Linnæi generis Flore Mediceæ*, p. 13. *Botanist Register*, t. 1701. *Landing Garden and Springs of Oriskanyensis plants*, p. 254.

A British country in the province of New York is discovered, it abounding with the present which we please has been long neglected. I was to it directed for searching the regions of the western plain to a most noble example of the country of plants nearly approaching to the Oriskany of our own province.

The species is not mentioned in our general catalogue as a particular plant. It is a native of Hudson, where according to the Rev. Dr. Lewis it abounds much in the spring. It is more or less common than the usual *O. latifolia*, to which it in fact approaches very nearly, but more delicate appearance of green above less high and produces not magnificent pyramids of flowers as are now represented from the correctness of M. Van Walle, Esq. of Hudson. I possess a well preserved from Hudson, or which I am indebted to Dr. Lewis, but it seems as if it had been taken for some time with the culture.

It grows further to the southeast than any species of *Orchis* presently in ground, with the exception of *Orchis Canadensis*, which grows in the Caucasus on the rocky ridges, in the Low-Japan, across the valley of Oriskany, and is known by its shorter stems, darker spots, and transverse p.

Fig. 1 gives a view of the general appearance of the plant. 2 shows the lip, column and spur.

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The final part of the document discusses the use of financial information for decision-making. It explains how to use the financial statements to identify opportunities for growth and to manage risk. It also discusses the importance of communicating the financial information to stakeholders, such as investors, creditors, and management. The document provides a detailed guide to the preparation of financial reports and to the communication of the results of the financial analysis.







*Epidendrum vitellinum.*

...

...



## EPIDENDRUM VITELLINUM.

*Epidendrum vitellinum*. *Leafy stem and sp. of arborescent plants*, p. 69. *Botanical Register*, 1840, t. 35.

This plant has been rarely figured in the Botanical Register, from a wood painted specimen procured in the garden of George Strick, Esq. of Birmingham. Yet I venture to add it to the collection for who could resist the gorgeous tints of the opposite page, or the striking yet modest, to

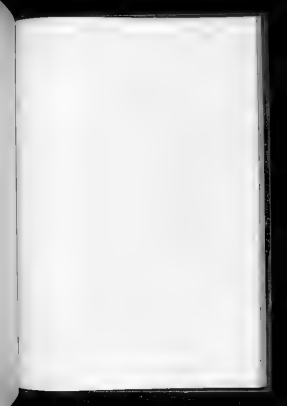
*Epidendrum vitellinum* is a white with the anthers of its gynoecium, not yielding to even such a gust as E. blanda, when it is in a state of perfect health, a condition in which I regret to say we can see it in the country. Let me hope that the accompanying faithful representation, which I am indebted to Mr. Harvey on the Garden of Tottenham, in 1830 for some fine specimens of the one, and in which we see it in the most elegant degree, suggests, to those the possession of it to cultivate, and induce them to give it the care its singular merits entitle it to.

In what is known as the habit of an arborescent we possess the key to its proper management, and the cultivation of any tree that has accompanied us cultivation up to the present time. It is a sturdy spreading, an alpine plant, rising among Lichens, Jungermannias, and other mushrooms of a cool moist climate, and never exposed on the one hand to a higher temperature than 70° nor on the other to one lower than 45°, not tolerably, in its season of rest, enduring at least 30 hours at least as fast. Indeed its requirements, suggested by Skene, that in the situation of 1830 but on the mountains of Helvetia, Strick, Esq. of Birmingham, and J. Strick, Esq. of Tottenham, and the Maina (Chlorococcum chlorococcum) exhibits with some accuracy the kind of climate required by *Epidendrum vitellinum*.

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Mr. Lister del.

*Epidendrum phoeniceum.*







## EPIDENDRUM PHŒNICEUM.

*Epidendrum phœniceum*. Botanical Rep. for 1841, number 120 of the monthlies  
native.

This is one of the few *Orchidaceæ* plants yet reported from Cuba, where no doubt there are great numbers to reward the search of the collector. It has been introduced by Steyer.  
Hooker.

Resembling as it is it appears very nearly to the dingy *Epidendrum adenopogon* of La Habra and Llanera, which is the name of Mr. Burmann's *E. papilion*, and it differs principally in the structure of the lip, which in *adenopogon* has two distinct elevated plates at its base ending abruptly without diverging out any manner into the main surface of the lip, whereas *E. phœniceum* shows no two plates, but the whole base of the lip forms the column at thick and fleshy whereas *adenopogon* has two distinct plates the central of which is thick.

The main column is an angle roundish-ovate flattened. The lobes are strong, narrow, cross, somewhat twisted. The *stamens* are much longer than the leaves, pointed, erect, all over rough and *anthers* are *ovoid*, from two to three lines high. The *anthers* are *ovoid*. The *anthers* and *ovary* are of a showy tawny deep purple, which is scabrous with green spots, *anthers* are *ovoid* and widely spreading. The *ovary* is nearly as wide and half long, of the clear bright color of *Orchids*, like a, and the *perianth* is *ovoid*, *ovary* is pale, erect, oblong, twice as long as the *ovary* when they are turned backwards. The *ovule* lobes are nearly round, deeply emarginate at the *ovary* and *perianth* just above the column.

The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry, no matter how small, should be recorded to ensure the integrity of the financial statements. This includes not only sales and purchases but also expenses and income. The document also highlights the need for regular reconciliation of accounts to identify any discrepancies early on.

In the second part, the author provides a detailed breakdown of the accounting cycle. It starts with identifying the accounting period and ends with the preparation of financial statements. Each step is explained in detail, with examples provided to illustrate the process. The document also discusses the importance of using the correct accounting methods and the impact of different accounting policies on the financial results.

The third part of the document focuses on the preparation of the balance sheet and the income statement. It explains how to calculate the net income and how to determine the ending balances for each account. The document also provides a checklist of items to verify before finalizing the financial statements, such as ensuring that all transactions are recorded and that the accounts are properly balanced.

Finally, the document concludes with a summary of the key points discussed. It reiterates the importance of accuracy and transparency in financial reporting and encourages the reader to follow the guidelines provided to ensure the reliability of their financial statements.





*Succelabium Blumei.*









The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry should be clearly documented, including the date, amount, and purpose of the transaction. This ensures transparency and allows for easy reconciliation of accounts.

Next, the document outlines the process of reconciling bank statements with the company's internal records. It stresses the need to identify any discrepancies and investigate their causes. Common reasons for discrepancies include timing differences, bank errors, or unrecorded transactions.

The document also covers the importance of regular audits. It explains that audits help to detect errors, prevent fraud, and ensure that the financial statements are accurate and reliable. It recommends that audits be conducted by independent professionals to maintain objectivity.

Finally, the document discusses the role of technology in financial management. It highlights how accounting software can streamline processes, reduce errors, and provide real-time insights into the company's financial performance. It encourages the use of secure and reliable systems to protect sensitive financial data.





*Cnoidium Barkeri.*



Section 1

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Section 2

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Section 3

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## ONCIDIUM BARKERI.

*Oncidium Barkeri*. *Leading in Botanical Register for 1841, on 174 of the Miscellaneous matter*

Of the great genus *Oncidium* most of the species have flowers sufficiently large and gay-colored to render them plants of striking beauty: but among them are a few prostrated in this respect, and of these the species now figured may be regarded as one of the finest. In the case of the flowers it is only equalled by *O. Poponi*, Jacquin, and a few Peruvian species; & the brevity of the pedicel & it is not inferior to *O. bifidum*, which is the rich coloring of the sepals and petals is only equalled by *O. Papilio* and.

At present the species is of the recent acquisition, having only flowered in the possession of Mr. Deaton, who imported it from Mexico, and of Mrs. Lawrence of Ealing Park.

In structure the stem is exactly oval, compressed, short-edged, with a furrow on two passing down each side. The internodes are small for the size of the plant, two in each pseudo-bulb, of an oblong cylindrical form with a long straight, or curved, flattened, which is distinctly articulated in the middle. The sheath is firmness, a very unusual circumstance in *Oncidium*, with about three sheaths on the part which supports the flowers. The laminae are supposed to be simple curved, narrow, and are from five to seven in number. The strigose and reticulate are a few and color, brownish-roseate, some spreading or turned back. The lateral very slightly adhering at the base, they are covered with greyish-brown spots and bands on a pale cinnamon-colored ground. The size is pure yellow without a single spot, much paler on the under side, and longer than the sepals, its middle lobe is very large broader than long, slightly pointed at the apex, which sessileless curves upwards in the narrow sinus, in the groove, it is the only inflated, the stem, lobes are flat, oblong, rounded with rounded angles, and not more than a third the breadth of the middle lobe. The center (fig. 1) consists of an entire tubercle, which is slightly three-lobed and flattened out a flat, and of a depressed rounded elevation immediately behind it. The column is essentially short, pale yellow, with a pair of stamens arising wings.

As Plate XLV of this work an attempt having been made to distinguish some intermediate grounds that belong the genera *Cyrtoclitum* and *Oncidium*, I now feel bound to state that the examination of more species, and a very full review of those and the neighboring genera, has enabled me that the reasons assigned in the plate referred to are unsatisfactory and that *Cyrtoclitum* cannot be longer regarded as having a claim to stand as more than an artificial section of *Oncidium* in all. It is remembered that the genus was established by Hilleb. Harbort and Kuntz, in their *Novi Genera et Species Plantarum*, upon two species with scabrous points and an inflated epidermis essentially very striking in several Peruvian and other species. But there are so many remarkable peculiarities which the form of the pedicel and bractlet seems in the numerous forms of *Oncidium*, that those that cannot exist or be separated, and all others sub-joined in lieu of them are equally fixed when applied to practice. In the attempt, too, to modify the character of *Cyrtoclitum*, species have been introduced which would be more properly stationed elsewhere: 1. &c. &c.

Various other species are found here which are either *Onocleas* and *C. farinosa* and its allies which are better fitted with *Onoclea* than with *Onoclea*.

In the process of putting this matter in its proper perspective, I have reviewed the literature of the genus *Onoclea* (half of late years, from 1850 to 1880) and have with the more important of the more species under different names now submitted through many works and many papers. I have been through it in order to bring up the following account of the genus in this work; an opportunity has been taken of not only this, but also

ONCIDIUM *Sect.* \*7, p. 196

*Onoclea* is a genus of ferns, belonging to the family Onocleaceae. It is characterized by its large, bipinnate fronds, which are often highly decorative. The genus is named in honor of the German naturalist and physician, Carl von Linné, who first described it in 1753. The genus is widely distributed in temperate and subtropical regions, and is particularly common in mountainous areas. The most common species is *Onoclea sensibilis*, which is found throughout the eastern United States and southeastern Canada. Other species include *Onoclea aquatica*, *Onoclea lucida*, and *Onoclea struthium*. The genus is also known for its ability to grow in a wide range of habitats, from wetlands to high mountains. The fronds of *Onoclea* are often used in traditional medicine, and the plant is also valued for its ornamental qualities. The genus is a member of the subgenus *Onoclea* of the family Onocleaceae, and is closely related to the genus *Onoclea* of the family Onocleaceae. The genus is named in honor of the German naturalist and physician, Carl von Linné, who first described it in 1753. The genus is widely distributed in temperate and subtropical regions, and is particularly common in mountainous areas. The most common species is *Onoclea sensibilis*, which is found throughout the eastern United States and southeastern Canada. Other species include *Onoclea aquatica*, *Onoclea lucida*, and *Onoclea struthium*. The genus is also known for its ability to grow in a wide range of habitats, from wetlands to high mountains. The fronds of *Onoclea* are often used in traditional medicine, and the plant is also valued for its ornamental qualities. The genus is a member of the subgenus *Onoclea* of the family Onocleaceae, and is closely related to the genus *Onoclea* of the family Onocleaceae.

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The first part of the paper discusses the importance of the study of the history of the United States. It is argued that a knowledge of the past is essential for understanding the present and for making informed decisions about the future. The author then discusses the role of the federal government in the development of the United States. He argues that the federal government has played a crucial role in the development of the country, and that it should continue to play a role in the future. The author then discusses the role of the states in the development of the United States. He argues that the states have played a crucial role in the development of the country, and that they should continue to play a role in the future. The author then discusses the role of the people in the development of the United States. He argues that the people have played a crucial role in the development of the country, and that they should continue to play a role in the future. The author concludes by arguing that the study of the history of the United States is essential for understanding the present and for making informed decisions about the future.

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1. The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that proper record-keeping is essential for the integrity of the financial system and for the ability to detect and prevent fraud. The text notes that without reliable records, it would be difficult to track the flow of funds and identify any irregularities.

2. The second part of the document outlines the specific requirements for record-keeping. It states that all transactions must be recorded in a clear and concise manner, using a standardized format. This includes recording the date, amount, and purpose of each transaction. The document also mentions that records should be maintained for a minimum of seven years, unless otherwise specified by law.

3. The third part of the document discusses the role of the auditor in verifying the accuracy of the records. It states that the auditor has a duty to examine the records and report on their accuracy. The auditor should also be responsible for identifying any weaknesses in the record-keeping process and recommending improvements. The document notes that the auditor's report is a key component of the financial statements and is used by investors and other stakeholders to make informed decisions.

4. The fourth part of the document discusses the consequences of failing to maintain accurate records. It states that individuals or organizations that fail to comply with the record-keeping requirements may be subject to penalties, including fines and imprisonment. The document also notes that failure to maintain accurate records can lead to a loss of trust and a decline in the value of the organization. It emphasizes that proper record-keeping is not only a legal requirement but also a best practice for any business or organization.

5. The fifth part of the document discusses the importance of training and education in record-keeping. It states that all individuals involved in the financial system should receive appropriate training and education to ensure they understand the requirements and best practices for record-keeping. The document notes that ongoing education is also important to keep up with changes in the financial system and record-keeping requirements.

6. The sixth part of the document discusses the role of technology in record-keeping. It states that the use of technology can greatly improve the accuracy and efficiency of record-keeping. The document notes that electronic records are easier to store, retrieve, and verify than paper records. It also mentions that technology can help to automate the record-keeping process and reduce the risk of human error.

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*Disa grandiflora.*

*Disa grandiflora* (L.) Schreb.





Proceedings  
of the  
General Assembly  
of the  
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New York

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## DISA GRANDIFLORA.

- Disa grandiflora*. *Leav. Suppl.* 408. *Savon. Act. Hbæ.* 1800, p. 216. *Flourens. D. Op. ed. Schum.* p. 7. *Nor. in Brandes Journal*, vol. 4, p. 303, t. 5, f. 1. *Botanical Register*, t. 926. *Leav. Gen. & Sp. Orch.* p. 347.  
*Polystichum grandiflorum*. *Thunb. prodr. f. caput* p. 4.  
*Disa uniflora*. *Naya Plantæ Capens.* p. 348, t. 4, fig. 7.  
 On its relations there singular herbaceous. *Bot. Hist. Nat. Flourens*, vol. 3, p. 586.

I trust I may be excused for closing this work with the noble plant now represented, even although it is not figured for the first time, for all the previous reflections had entered in during a year.

It is the Great Orchidaceous plant found in the Cape of Good Hope, and we may almost say in the world, in that we regard the large size of its single flowers as the highest evidence by which they are distinguished. The singular appearance from which the accompanying drawing has been taken seems not to be a dwarf state from the Cape by Mr. Harvey, who remarks that the specimen is the largest he ever saw the stem being one foot and a half high, and the flowers five inches and a half from top to bottom of the expanded sepals.

It occurs in various parts of the Colony, but principally at Table Mountain, where it is so common, according to Mr. Harvey, that every station is thickly bordered with it in March. *Disa grandiflora* is so, that the appearance of the stations where it is fixed is occasionally as low as 2 ft, and also occasionally as high as 5 ft. Its habit is on the margin of grassy or standing water, the drainage of the rocky slopes of the Mountain, wherever its roots are received. These are dry or near it in summer. In such localities it is of course the most numerous in the district of the Cape, where, even in the hottest months, often cover its stations for a week or a fortnight unobscuredly.

That I must add that it has hitherto proved unobscured. It occasionally occurs in England, not in the year 1825 once observed at South Lambeth near London, in the garden of Mr. William Curtis, a private and well-known collector of insects and other plants. But it now disappears and no other English specimens seem to have been yet received.

In the course of all necessary as to the state of cultivating this plant, some specimens may be introduced. We would then advise those who are in communication with the Cape, to proceed as follows.

We should procure the roots immediately after the harvest is done, we should pack them in moss, and so we transport them to Europe. On their arrival here, we should procure them in a wet, or in a cool greenhouse, if the most of February, at which time we should plant them in ready well-drained pots and transfer them to the stove. As soon as the roots begin to grow we should set them in their proper place for the day, and we should then force them in the manner usual with Orchidaceous plants, keeping them in a hot airy atmosphere. There, and under such circumstances, it is to be presumed they would flourish. During the whole of the growing season we should give the plants in the same level, until the leaves were fully formed and the flowers expanded.

thereupon we should immediately transfer them to an atmosphere having a relative humidity of 70 per cent, and the leaves were reflected. Subsequently at that point we should keep them in a cold sealed frame, put cover and no cover, till the beginning of winter. Up to the beginning of February we should not keep them from frost in a cold conservatory—and so soon as February arrived we should begin again to treat the plants as at first. In addition to all this, we should keep the pots or pans full of water during all the time that the plants are in rapid growth.

Is it not worth the while of some one of our great Amateurs to try this experiment?



The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry, no matter how small, should be recorded to ensure the integrity of the financial statements. The text also highlights the need for regular audits to detect any discrepancies or errors early on.

In the second section, the author provides a detailed breakdown of the company's revenue streams. This includes a comparison of sales from different markets and product lines. The analysis shows that while sales in the domestic market have remained stable, there has been a significant increase in international sales, particularly in emerging markets.

The third section focuses on the company's expenses and cost management strategies. It identifies areas where costs have increased, such as raw materials and labor, and discusses the measures being taken to mitigate these increases. The author also mentions the implementation of new technologies to improve operational efficiency and reduce waste.

Finally, the document concludes with a summary of the company's overall financial performance. It notes that despite the challenges faced, the company has managed to maintain a strong position in the market and is well-positioned for future growth. The author expresses confidence in the company's ability to continue to innovate and expand its operations in the coming years.



The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry, no matter how small, should be recorded to ensure the integrity of the financial data. This includes not only sales and purchases but also expenses and income. The document provides a detailed list of items that should be tracked, such as inventory levels, accounts payable, and accounts receivable. It also outlines the procedures for recording these transactions, including the use of double-entry bookkeeping to ensure that the books balance.

The second part of the document focuses on the analysis of the financial data. It explains how to calculate key financial ratios and metrics, such as the gross profit margin, operating profit margin, and return on investment. These metrics are used to evaluate the company's performance and identify areas for improvement. The document also discusses the importance of comparing the company's performance to industry benchmarks and providing a clear explanation of any variances.

The final part of the document covers the preparation of financial statements. It provides a step-by-step guide to creating the income statement, balance sheet, and cash flow statement. It also discusses the importance of auditing the financial statements to ensure their accuracy and reliability. The document concludes by emphasizing the role of financial reporting in decision-making and the overall success of the business.





The first part of the document discusses the importance of maintaining accurate records of all transactions. It emphasizes that every entry, no matter how small, should be recorded to ensure the integrity of the financial statements. The text also highlights the need for regular audits to detect any discrepancies or errors early on.

In the second section, the author provides a detailed breakdown of the accounting cycle. This includes steps such as identifying the accounting entity, choosing the accounting method, and recording transactions. Each step is explained with clear examples and practical advice to help readers understand the process thoroughly.

The third part of the document focuses on the classification of assets and liabilities. It explains how to distinguish between current and long-term assets, as well as current and long-term liabilities. This classification is crucial for determining the company's financial health and its ability to meet its obligations.

Finally, the document concludes with a summary of the key points discussed. It reiterates the importance of accuracy, regular audits, and proper classification in the accounting process. The author encourages readers to apply these principles consistently to ensure the reliability of their financial reporting.

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