

LEGENDS TO THE FIGURES

Fig. 1. *Coelogyne acutilabium* de Vogel. a. Inflorescence; b. flower; c. median sepal; d. lateral sepal; e. petal; f. lip; g. column (a–g: Bogor, cult. Hort. (from Sander & Co, St. Albans) s.n.; reconstruction from herbarium).

Fig. 2. *Coelogyne bruneiensis* de Vogel. a. Plant; b. median sepal; c. lateral sepal; d. petal; e. lip; f. column; g. anther; h. pollinia (a–h: Leiden, cult. Hort. (de Vogel) 27697; a: alive; b–h: from spirit).

Fig. 3. *Coelogyne buennemeyeri* J.J. Smith. a. Plant; b. median sepal; c. lateral sepal; d. petal; e. lip; f. column, front view (a–f: Bünnemeijer 5225 and 5500; reconstruction from herbarium).

Fig. 4. *Coelogyne dayana* Reichb. f. a. Plant; b. cross section through pseudobulb; c. median sepal; d. lateral sepal; e. petal; f. lip; g. column; h. anther; i. pollinia (a–j: Beaman s.n., III 1984; alive).

Fig. 5. *Coelogyne distans* J.J. Smith. a. Plant; b. median sepal, c. lateral sepal; d. petal; e. lip; f. column (a: Chin See Chung 2643; b–f: Bogor, cult. Hort. s.n., 1868; all from herbarium).

Fig. 6. *Coelogyne echinolabium* de Vogel. a. Plant; b. median sepal; c. lateral sepal; d. petal; e. lip; f. column (a: Clemens 21639; b–f: Beccari s.n., 1868; all from herbarium).

Fig. 7. *Coelogyne hirtella* J.J. Smith. a. Plant; b. cross section through pseudobulb; c. median sepal; d. lateral sepal, with detail of top; e. petal; f. lip; g–i. column; j. cross section through ovary (a–j: C.L. Chan & M.Y. Wong s.n; alive).

Fig. 8. *Coelogyne judithiae* Taylor. a. Plant; b. young shoot with inflorescence; c. median sepal; d. lateral sepal, e. petal; f. lip; g. column (a–g: Jackman s.n., 1968; a: from slide, b: reconstruction from slide and spirit, c–g: spirit).

Fig. 9. *Coelogyne kaliانا* Cribb. a. Plant; b. flower; c. median sepal; d. lateral sepal; e. petal; f. lip, with detail of keels on the epichilium; g. column (a: van Balgooy 2053, reconstruction from herbarium and slide; b–g: Cribb 30, spirit).

Fig. 10. *Coelogyne latiloba* de Vogel. a. Plant; b. median sepal; c. lateral sepal; d. petal; e. lip; f. column (a–f: Collenette A30; reconstruction from drawing and herbarium).

Fig. 11. *Coelogyne longibulbosa* Ames & C. Schweinf. a. Plant; b. median sepal; c. lateral sepal; d. petal; e. lip; f. column (a–f: de Vogel 8485; from herbarium).

Fig. 12. *Coelogyne moultonii* J.J. Smith. a. Plant; b. bract; c. median sepal; d. lateral sepal; e. petal, f. lip; g. column; h. cross section through ovary; i. & j. anther; k. pollinia (a–k: Chan s.n.; alive).

Fig. 13. *Coelogyne odoardi* Schltr. a. Plant; b. median sepal; c. lateral sepal; d. petal; e. lip; f. detail of keel in back of lip; g. column; h. cross section through ovary; i. anther; j. pollinia (a–j: Lamb AL 906/88; from herbarium).

Fig. 14. *Coelogyne pholidotoides* J.J. Smith. a. Plant; b. median sepal; c. lateral sepal; d. petal; e. lip; f. column; g. anther; h. pollinia (a: Lamb & Chan 602/86; b–h: Leiden, cult. Hort. (de Vogel) 27628; from spirit material).

Fig. 15. *Coelogyne radioferens* Ames & C. Schweinf. a. Plant; b. rhizome with pseudobulbs; c. cross section through pseudobulbs; d. median sepal; e. lateral sepal; f. petal; g. lip; h. & i. column; j. cross section through ovary; k. anther; l. pollinia (a–l: Beaman 7890; alive).

Fig. 16. *Coelogyne reflexa* J.J. Wood & C.L.Chan. a. Plant; b. cross section through pseudobulb; c. median sepal; d. lateral sepal; e. petal; f. lip and column, lateral view; g. & h. lip; i. & j. column; k. pollinia; l. cross section through ovary (a–l: Beaman 9047; alive).

Fig. 17. *Coelogyne rhabdombulbon* Schltr. a. Plant; b. pseudobulbs and inflorescence; c. cross section through pseudobulb; d. median sepal; e. lateral sepal; f. petal; g. lip; h. column; i. cross section through ovary (a–i: Chan s.n.; alive).

Fig. 18. *Coelogyne rochussenii* de Vriese. a. Plant; b. median sepal; c. lateral sepal; d. petal; e. lip; f. column (a: TOC, cult. Hort. s.n., alive; b–f: Leiden, cult. Hort. 22096, spirit).

Fig. 19. *Coelogyne rupicola* Carr. a. Plant; b. median sepal; c. lateral sepal; d. petal; e. lip; f. column; g. anther; h. pollinia (a: SF (Carr) 27793 in P; b–h: SF (Carr) 27793 in K; all from herbarium).

Fig. 20. *Coelogyne swaniana* Rolfe. a. Plant; b. median sepal; c. lateral sepal; d. petal; e. lip; f. column; g. cross section through ovary; h. anther; i. pollinia (a–i: Chan S1/86, alive).

Fig. 21. *Coelogyne testacea* Lindley. a. Plant; b. median sepal; c. lateral sepal; d. petal; e. lip, with detail of keels on the epichilium; f. column (a–f: specimen unknown).

Fig. 22. *Coelogyne tomentosa* Lindley. a. Plant; b. pseudobulbs and inflorescence; c. median sepal; d. lateral sepal; e. petal; f. lip; g. column (a–g: Leiden, cult. Hort. 27056; plant alive, inflorescence and flowers in spirit).

Fig. 23. *Coelogyne velutina* de Vogel. a. Plant; b. pseudobulbs and inflorescence; c. flower; d. median sepal; e. lateral sepal; f. petal; g. lip, with detail of keels on the epichilium; h. lip, natural shape; i. column (a–i: Leiden, cult. Hort. 25835; plant alive, inflorescence and flowers in spirit).

Fig. 24. *Coelogyne venusta* Rolfe. a. Plant; b. cross section through pseudobulb; c. median sepal; d. lateral sepal; e. petal; f. lip; g. column; h. cross section through ovary; i. anther; j. pollinia (a–j: Chan 55/83, alive).

Fig. 25. *Ania angustifolia* Lindley. a. Plant; b. flower; c. median sepal; d. petal; e. lateral sepal; f. lip; g. column; h. anther cap (a–h: Sørensen, Larsen & Hansen DB 5044 & 5169).

Fig. 26. *Ania borneensis* (Rolfe) Senghas. a. Plant; b. median sepal; c. petal; d. lateral sepal; e. lip; f. column; g. anther cap and two pollinia (a–g: Gibbs 3958).

Fig. 27. *Ania elmeri* (Ames) A. Hawkes ex Senghas. a. Plant; b. flower; c. median sepal; d. petal; e. lateral sepal; f. lip; g. column; h. anther cap and one pollinium (a–h: Vanoverbergh 102).

Fig. 28. *Ania hongkongensis* (Rolfe) Tang & Wang. a. Plant; b. flower; c. median sepal; d. petal; e. lateral sepal; f. & g. lip; h. column; i. anther cap (a–f, h–i: Barretto 309; g: Wright 522).

Fig. 29. *Ania penangiiana* (Hook. f.) Summerh. a. Plant; b. flower; c. median sepal; d. petal; e. lateral sepal; f. lip; g. column; h. anther cap (a–h: How & Chun 70182).

Fig. 30. *Ania ponggolensis* A. Lamb in H. Turner. a. Plant; b. flower; c. median sepal; d. petal; e. lateral sepal; f. lip; g. column (a–g: Lamb 204/84).

Fig. 31. *Ania ruybarrettoi* S. Y. Hu & Barretto. a. Plant; b. flower; c. median sepal; d. petal; e. lateral sepal; f. lip; g. column; h. anther cap (a–h: Hu 13098A).

Fig. 32. *Ania viridifusca* (Hook.) Tang & Wang ex Summerh. a. Plant; b. flower; c. median sepal; d. petal; e. lateral sepal; f. lip; g. column; h. & i. anther cap, lateral and ventral view (a–i: Hennipman 3578).

Fig. 33. *Hancockia uniflora* Rolfe. a. Plant; b. flower; c. median sepal; d. petal; e. lateral sepal; f. lip; g. column and spur; h. anther cap (a–h: Pételot 3561).

Fig. 34. *Mischobulbum cordifolium* (Hook. f.) Schltr. a. Plant; b. flower; c. median sepal; d. petal; e. lateral sepal; f. lip; g. column; h. anther cap (a–h: Hance 22317).

Fig. 35. *Mischobulbum crassum* H. Turner. a. Plant; b. median sepal; c. petal; d. lateral sepal; e. lip; f. & g. column, front view and lateral view (a–g: Burt & Woods B1609).

Fig. 36. *Mischobulbum longiscapum* Seidenf. in H. Turner. a. Plant; b. flower; c. median sepal; d. petal; e. lateral sepal; f. lip; g. column; h. anther cap (a–h: Seidenfaden & Smitinand GT 9684; a: after a drawing and photographs commissioned by Seidenfaden).

Fig. 37. *Mischobulbum marmoratum* (J.J. Smith) H. Turner. a. Plant; b. median sepal; c. petal; d. lateral sepal; e. lip; f. column (a–f: Kjellberg 2939).

Fig. 38. *Mischobulbum megalanthum* Tang & Wang. a. Plant; b. median sepal; c. petal; d. lateral sepal; e. lip; f. column; g. anther cap; h. pollinia (a–h: Pantling 206).

Fig. 39. *Mischobulbum papuanum* (J.J. Smith) Schltr. a. Plant; b. flower; c. median sepal; d. petal; e. lateral sepal; f. & g. lip; h. column; i. anther cap; j. pollinia (a–f, h–j: Brass 3333; g: Clemens 1268).

Fig. 40. *Mischobulbum scapigerum* (Hook. f.) Schltr. a. Plant; b. flower; c. median sepal; d. petal; e. lateral sepal; f. lip; g. column, lateral view; h. column, front view with anther cap; i. pollinia (a–i: Gibbs 2884).

Fig. 41. *Mischobulbum wrayanum* (Hook. f.) Rolfe. a. Plant; b. flower; c. median sepal; d. petal; e. lateral sepal; f. lip; g. column; h. anther cap; i. pollinia (a–i: Wray 4059).

Fig. 42. *Tainia bicornis* (Lindley) Reichb. f. a. Plant; b. flower; c. median sepal; d. petal; e. lateral sepal; f. lip; g. column; h. & i. anther cap, dorsal and ventral view (a–i: Beddome s. n.).

Fig. 43. *Tainia dunnii* Rolfe. a. Plant; b. flower; c. median sepal; d. petal; e. lateral sepal; f. lip; g. column (a–g: To & Tsang 12246).

Fig. 44. *Tainia latifolia* (Lindley) Reichb. f. subsp. *elongata* (J.J. Smith) H. Turner. a. Plant; b. flower; c. median sepal; d. petal; e. lateral sepal; f. lip; g. column; h. anther cap (a–h: Bakhuisen van den Brink 4390).

Fig. 45. *Tainia laxiflora* (Ito ex Makino) Makino. a. Plant; b. flower; c. median sepal; d. petal; e. lateral sepal; f. lip; g. column; h. anther cap (a–h: Masamune s. n., 28 May 1925).

Fig. 46. *Tainia macrantha* Hook. f. a. Plant; b. flower; c. median sepal; d. petal; e. lateral sepal; f. lip; g. column; h. anther cap (a–h: Metcalf 17571).

Fig. 47. *Tainia maingayi* Hook. f. a. Plant; b. median sepal; c. petal; d. lateral sepal; e. lip; f. column; g. anther cap; h. two pollinia (a–f: de Vogel 8455; g, h: Vermeulen & Duistermaat 911).

Fig. 48. *Tainia minor* Hook. f. a. Plant; b. flower; c. median sepal; d. petal; e. lateral sepal; f. lip; g. column; h. anther cap (a–h: Forrest 17652).

Fig. 49. *Tainia obpandurata* H. Turner. a. Plant; b. flower; c. median sepal; d. petal; e. lateral sepal; f. & g. lip; h. column; i. anther cap (a–f, h–i: Rahmat si Boeea 10356; g: de Wilde & de Wilde-Duyfjes 15863).

Fig. 50. *Tainia paucifolia* (Breda) J.J. Smith. a. Plant; b. flower; c. median sepal; d. petal; e. lateral sepal; f. lip; g. column; h. anther cap (a–h: S (Othman & Munting) 54360).

Fig. 51. *Tainia purpureifolia* Carr. a. Plant; b. median sepal; c. petal; d. lateral sepal; e. lip; f. column; g. anther cap (a–g: Carr 3150).

Fig. 52. *Tainia sessilifolia* Fraser. a. Leaf; b. inflorescence; c. flower; d. median sepal; e. petal; f. lateral sepal; g. lip; h. column; i. anther cap (a–i: Charlesworth s.n.).

Fig. 53. *Tainia speciosa* Blume. a. Plant; b. flower; c. median sepal; d. petal; e. lateral sepal; f. & g. lip; h. column; i. anther cap; j. one pollinium (a–f, h–j: van Beusekom & Phengklai 859; g: Brooke 8616).

Fig. 54. *Tainia trinervis* (Blume) Reichb. f. a. Plant; b. flower; c. median sepal; d. petal; e. lateral sepal; f. lip; g. column; h. anther cap (a–h: LAE (Howcroft) 64078).

Fig. 55. *Tainia vegetissima* Ridley. a. Plant; b. flower; c. median sepal; d. petal; e. lateral sepal; f. lip; g. column (a–g: Wray & Robinson 5314).

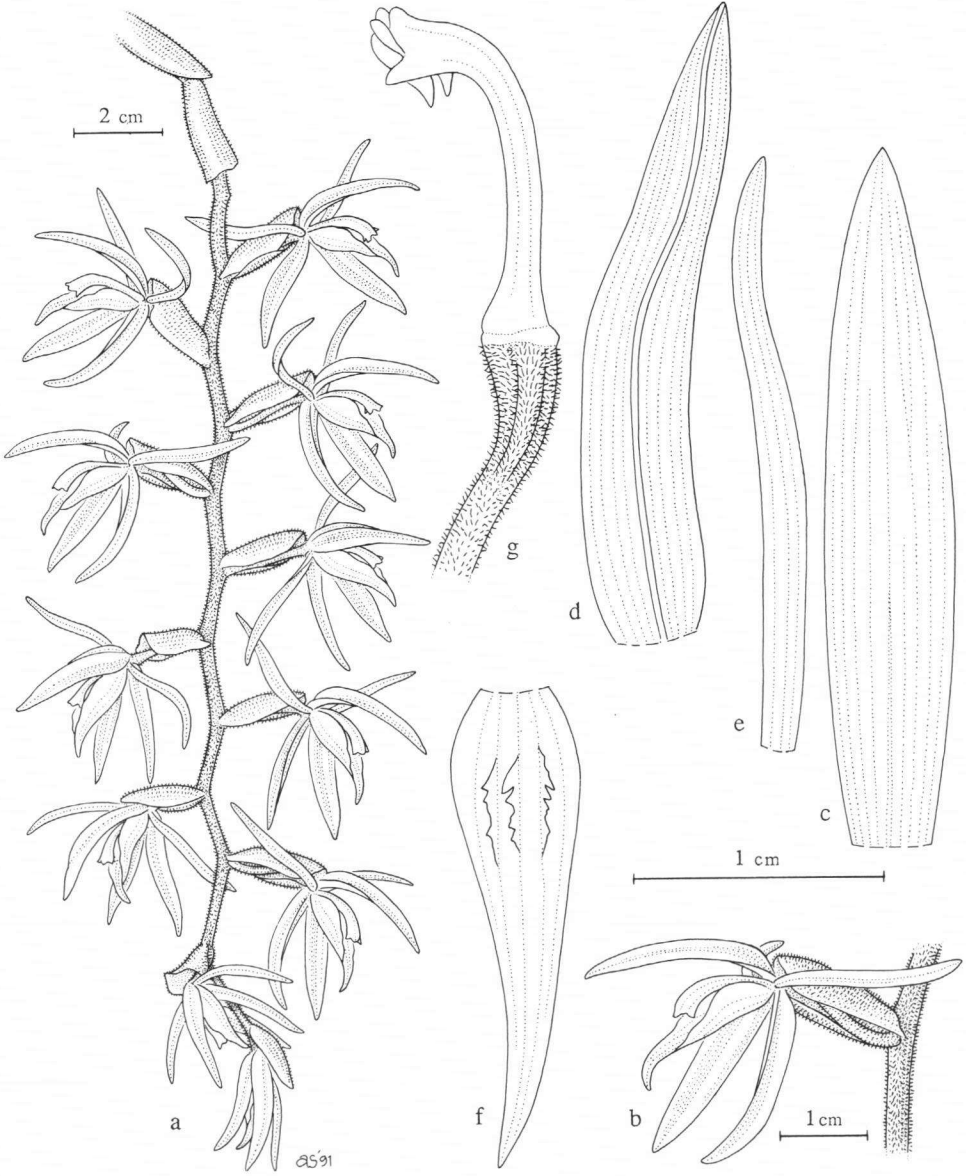


Fig. 1.

de Vogel

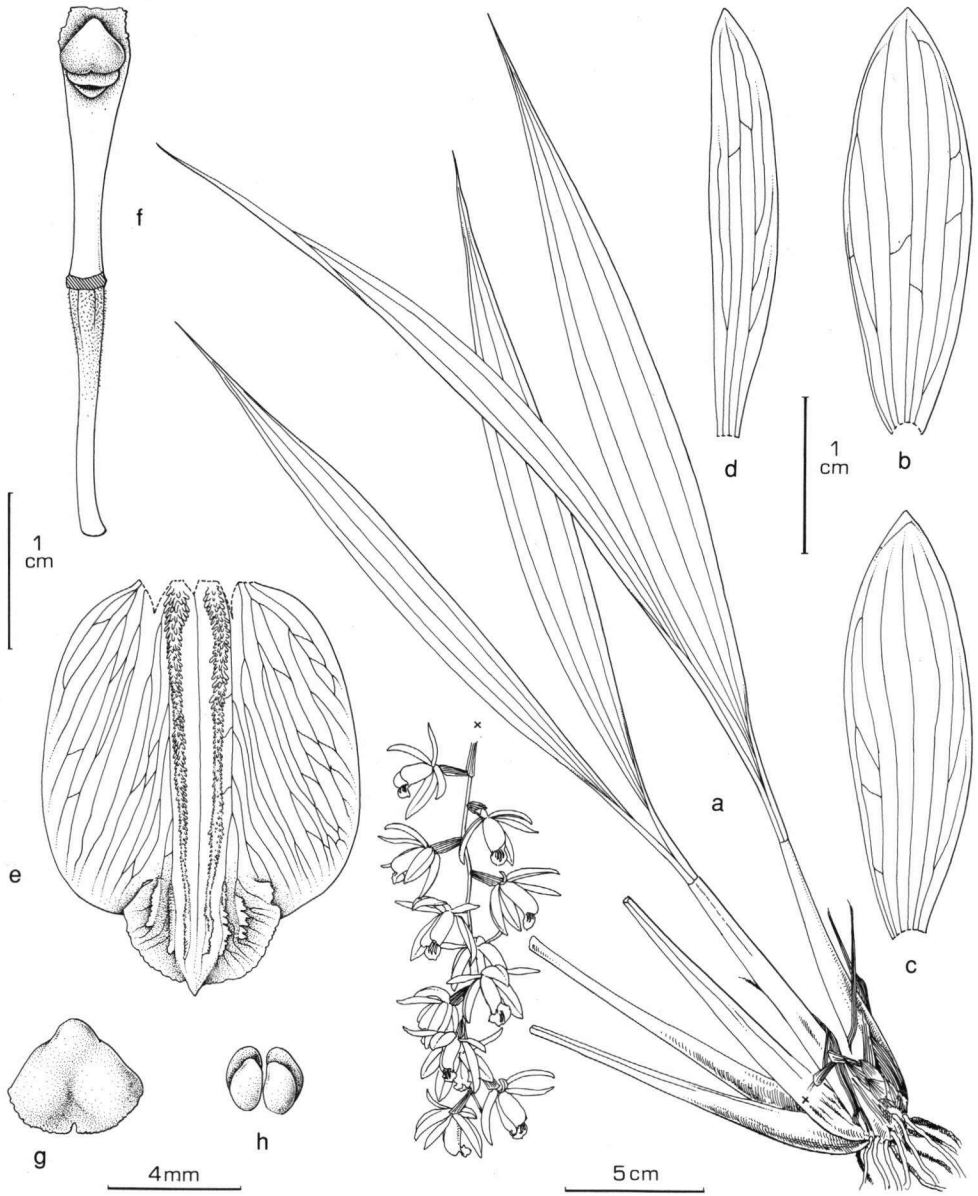


Fig. 2.

de Vogel

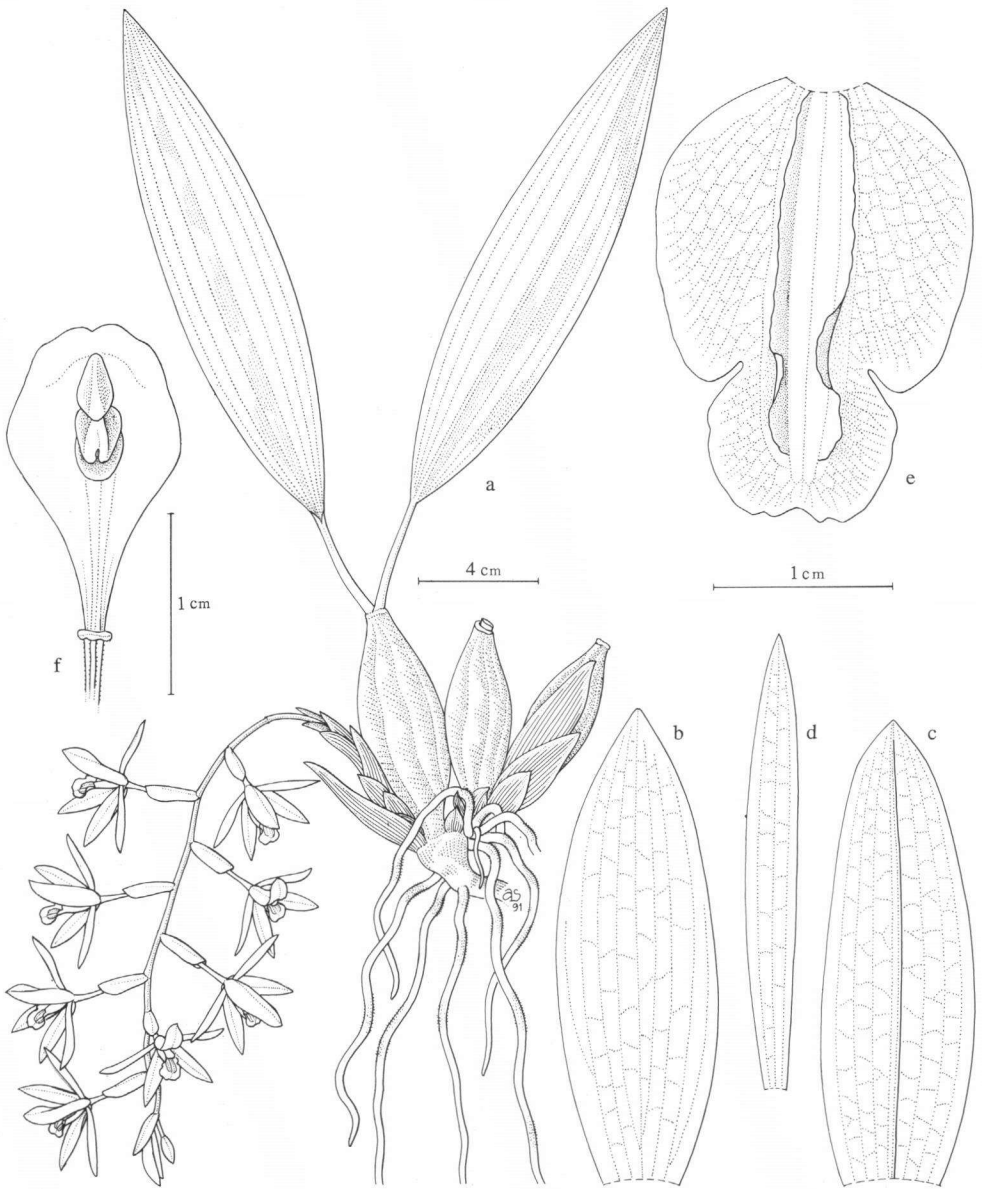


Fig. 3.

J.J. Smith

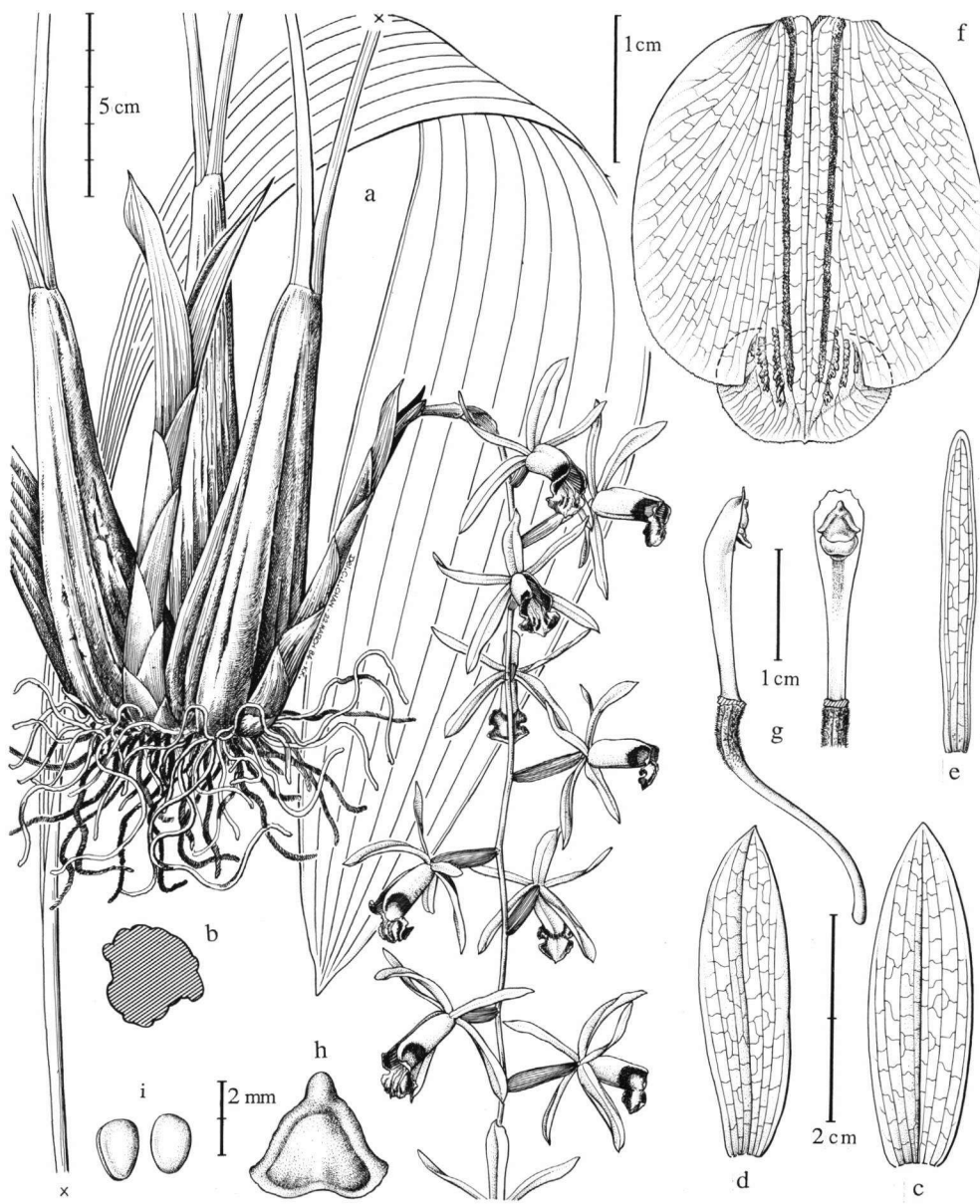


Fig. 4.

Reichb. f.

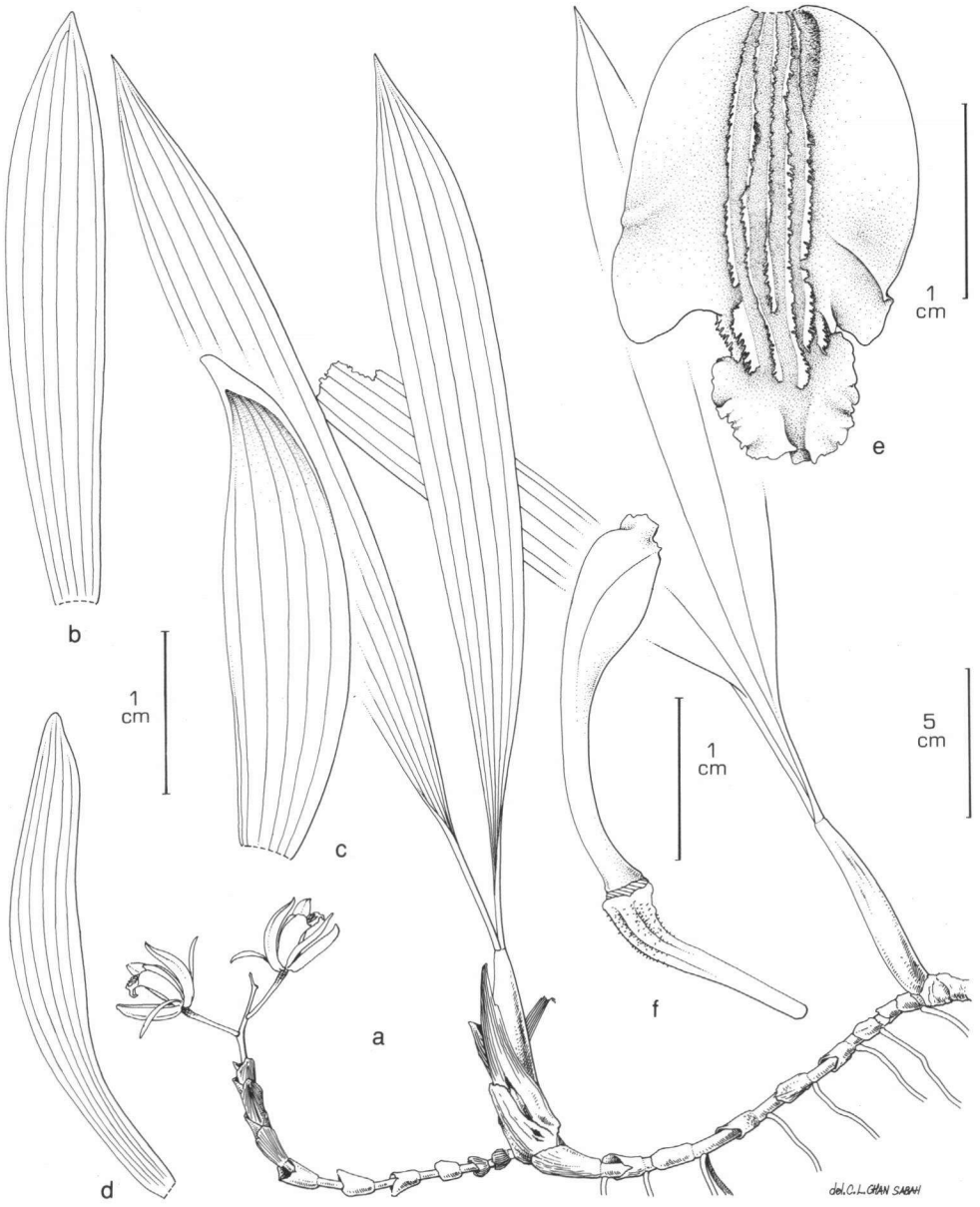


Fig. 5.

J.J. Smith

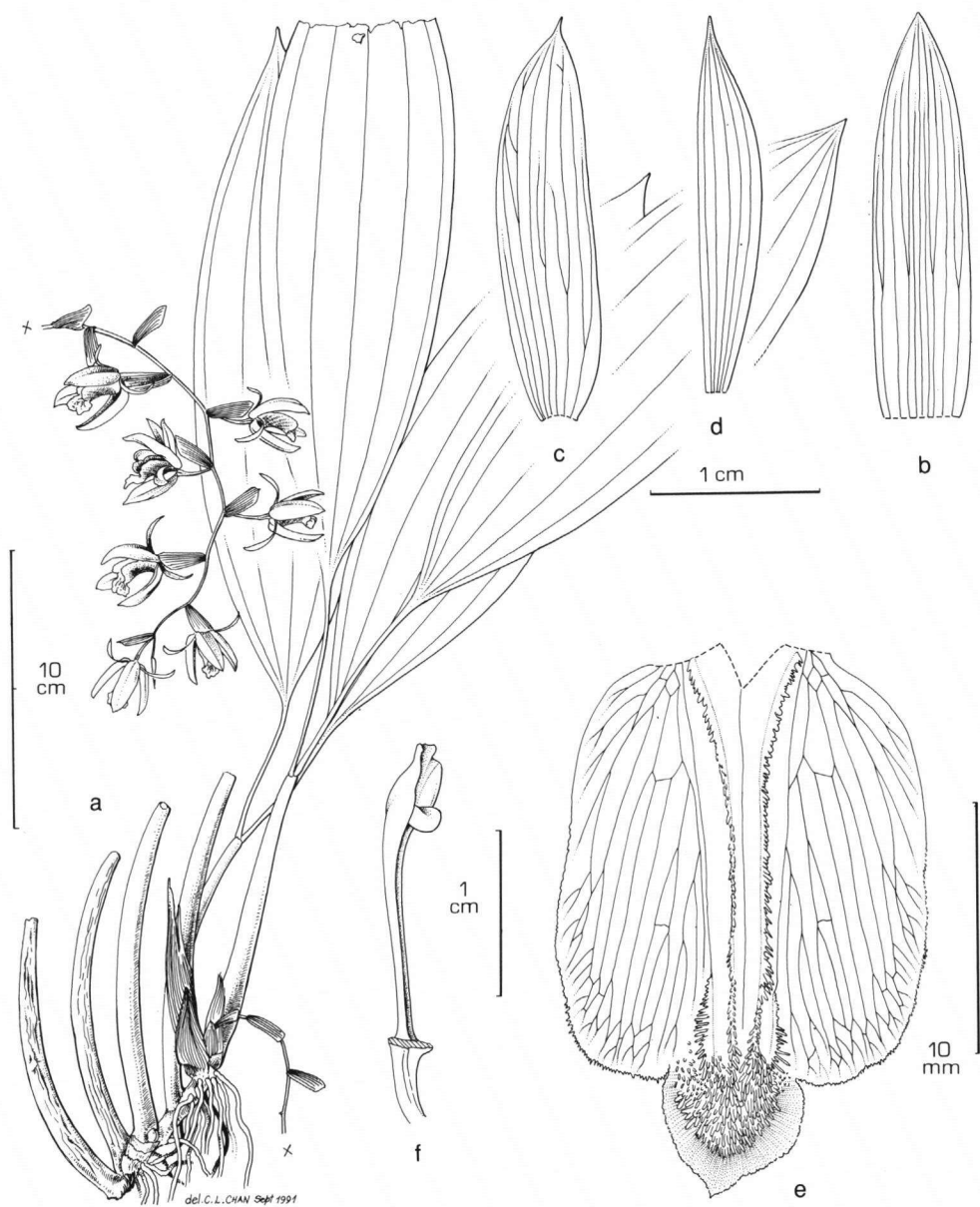


Fig. 6.

de Vogel

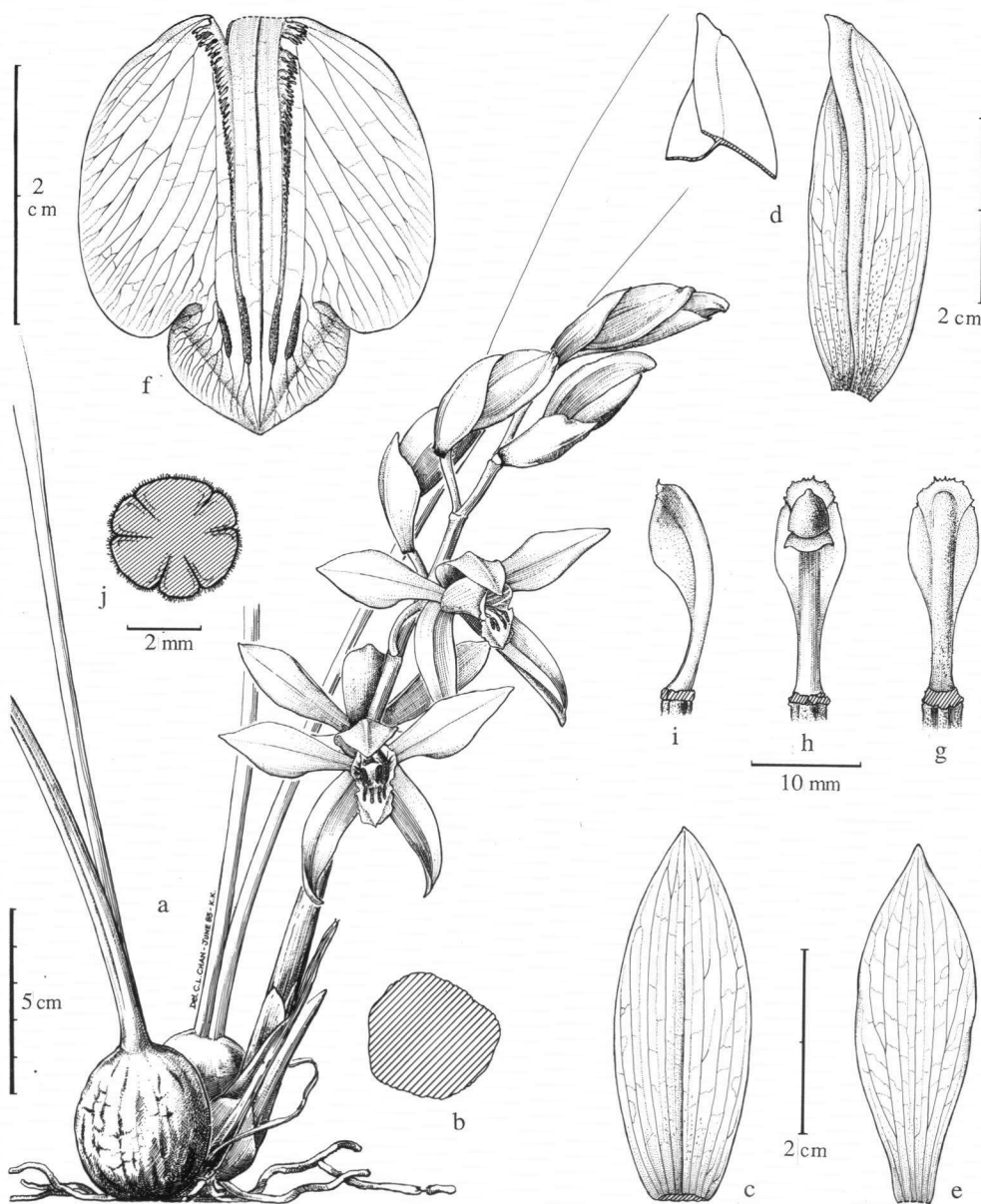


Fig. 7.

J.J. Smith

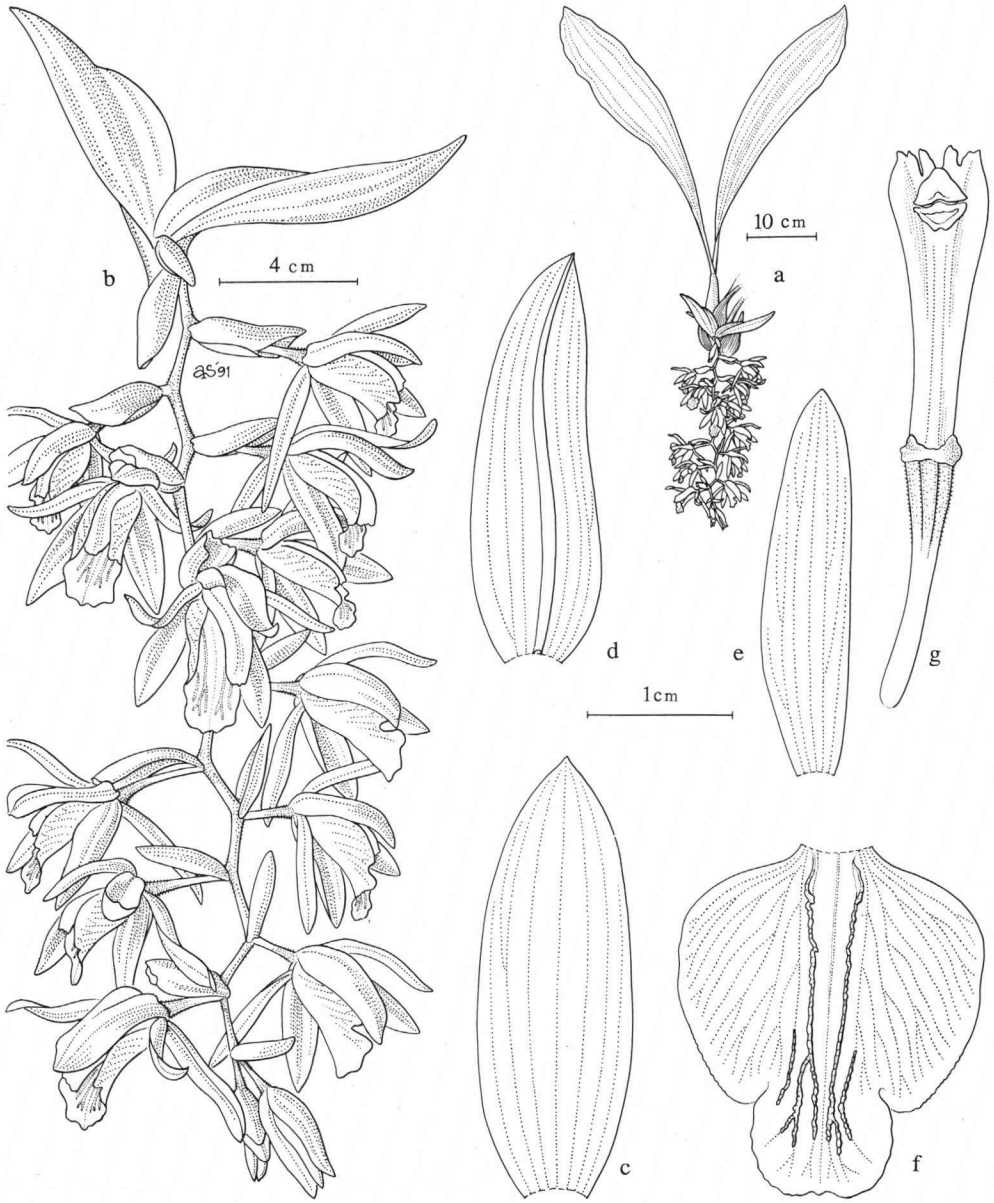


Fig. 8.

Taylor

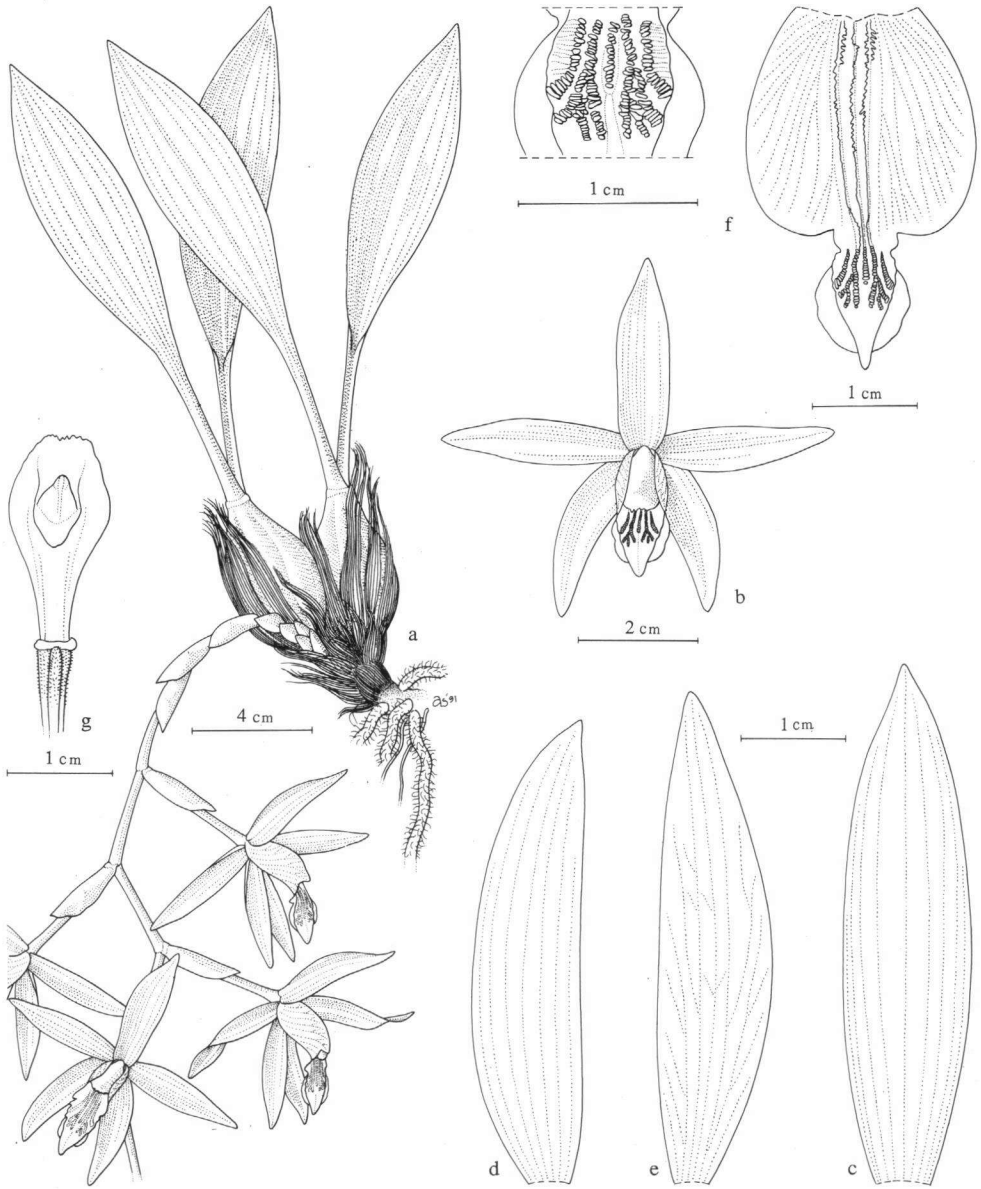


Fig. 9.

Cribb

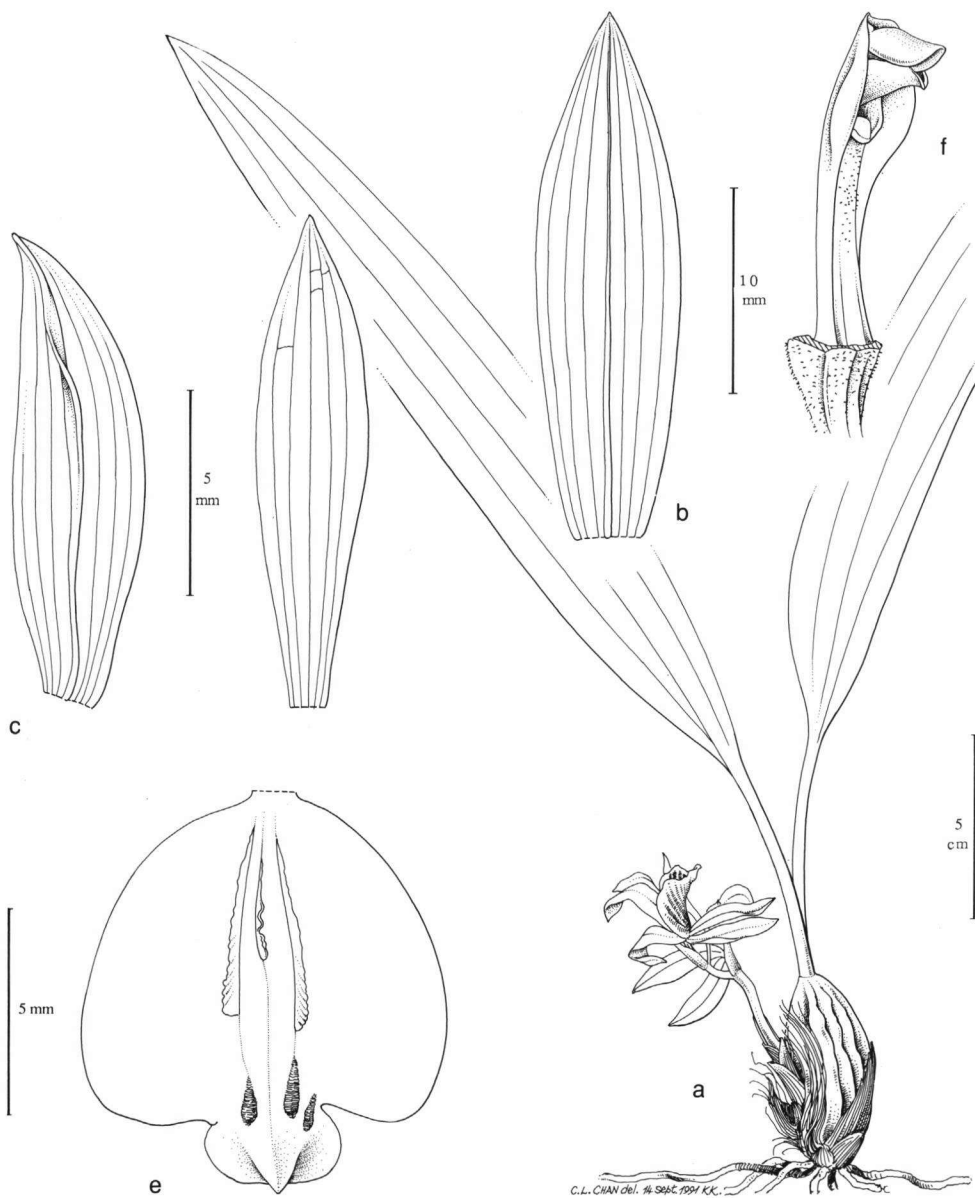


Fig. 10.

de Vogel

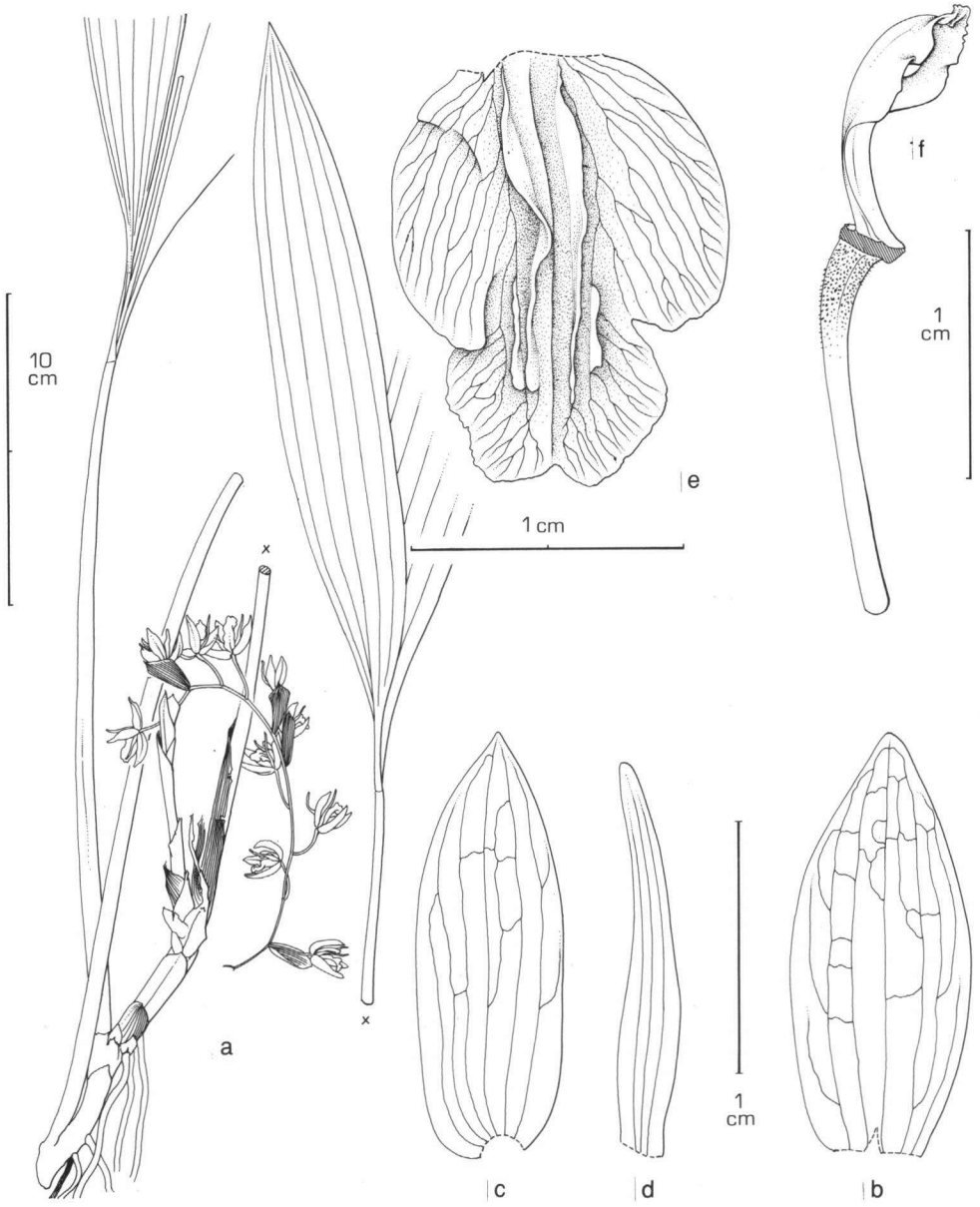


Fig. 11.

Ames & C. Schweinf.

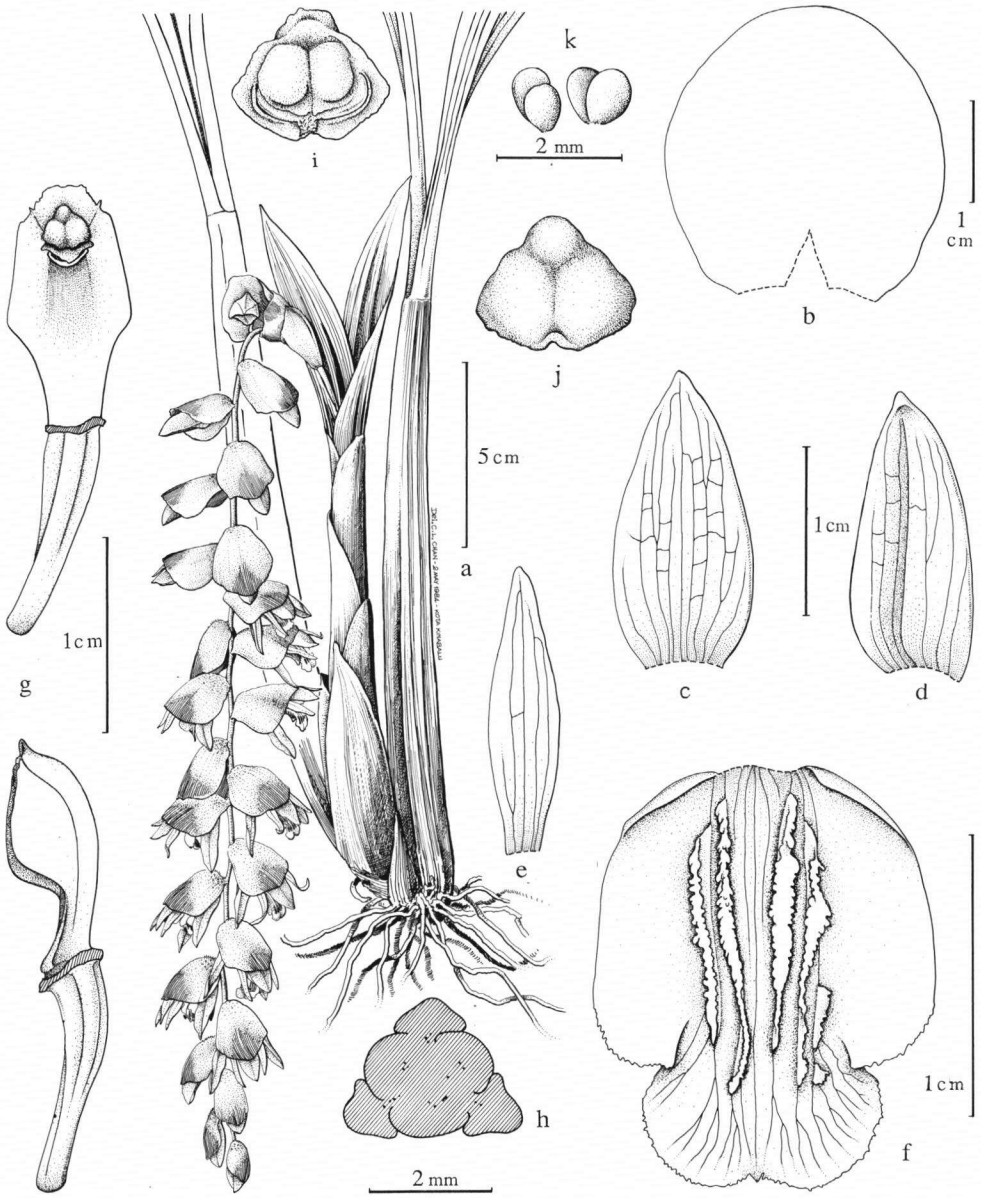


Fig. 12.

J.J. Smith

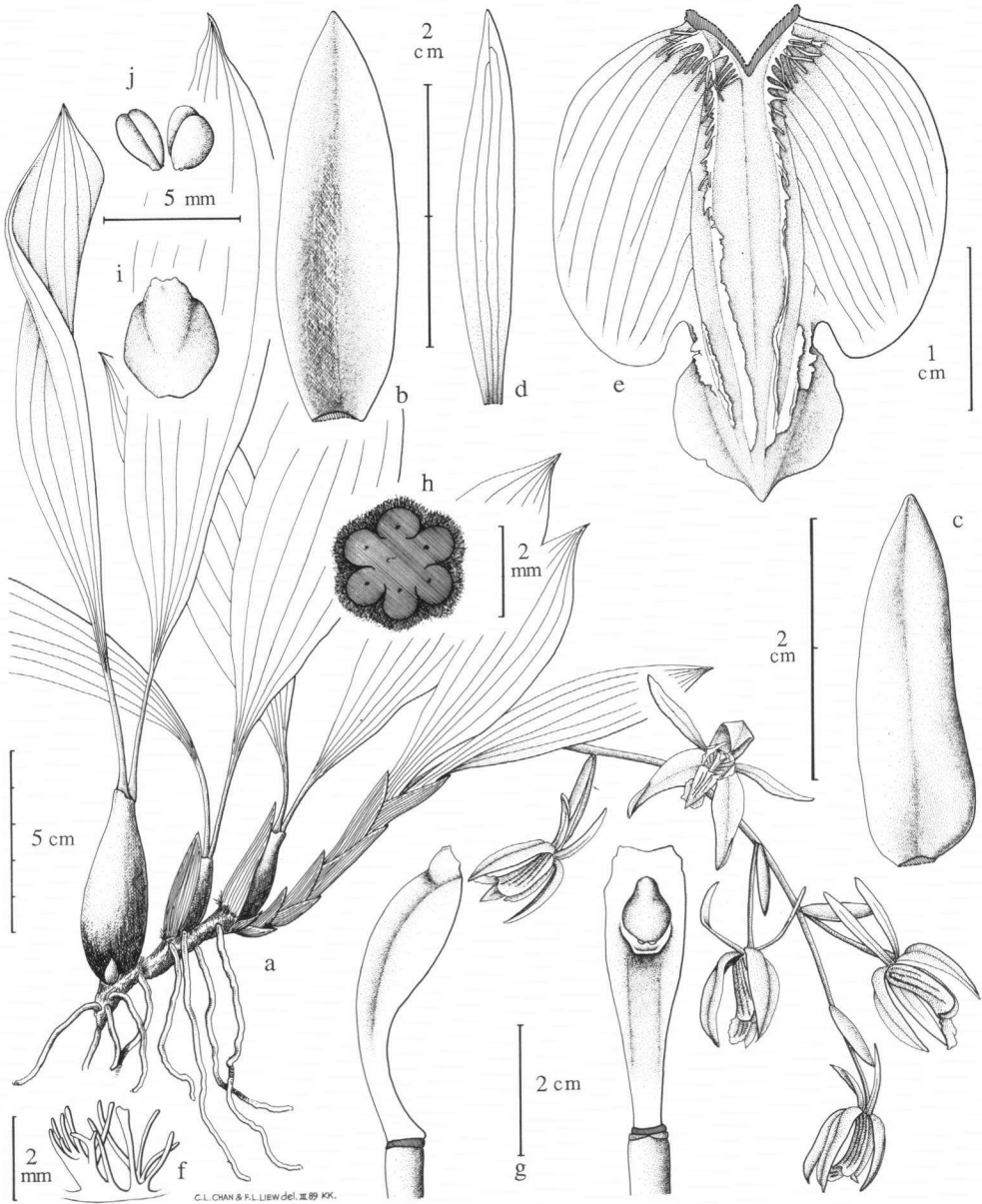
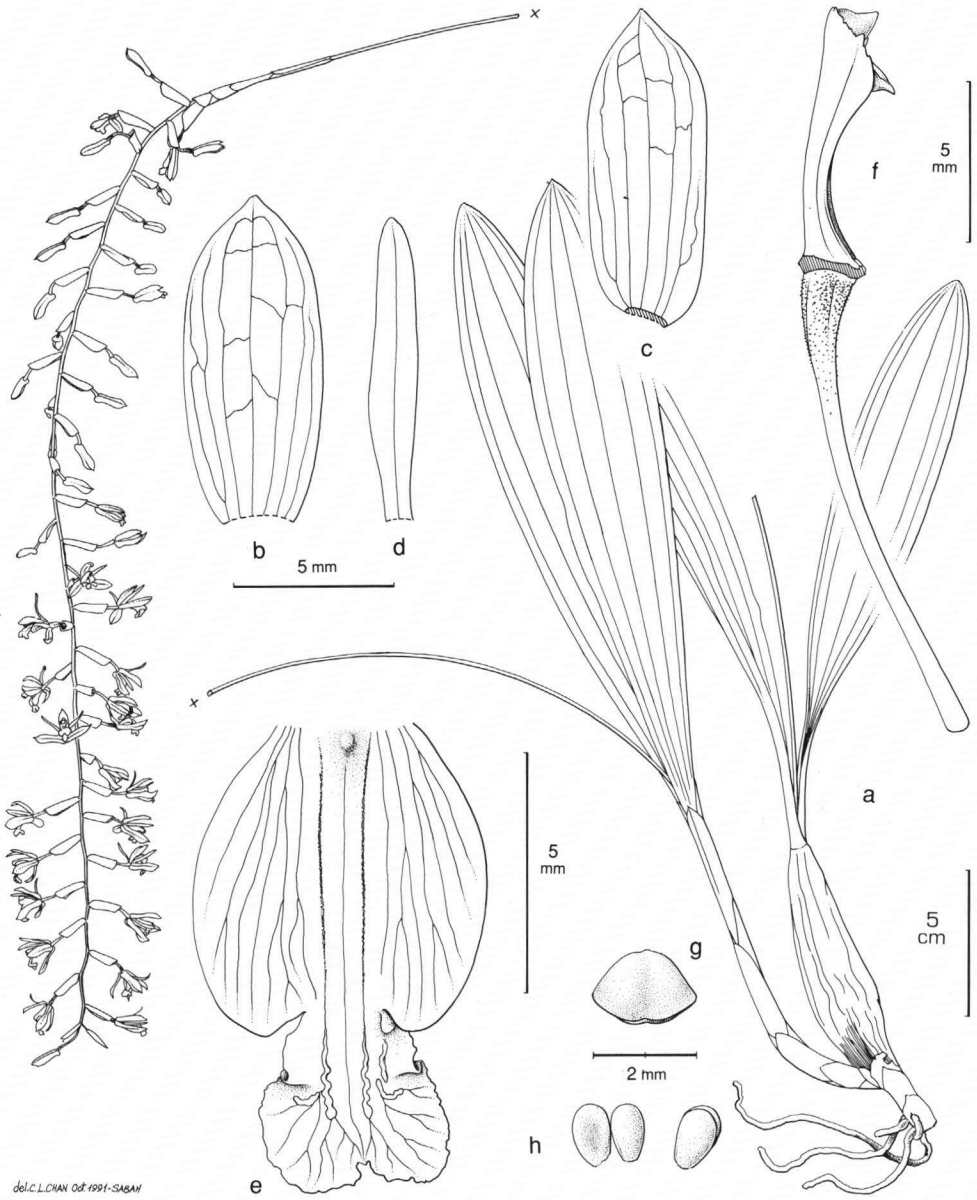


Fig. 13.

Schltr.



del. C. L. KHAN Oct-1991-SABAH

Fig. 14.

J.J. Smith

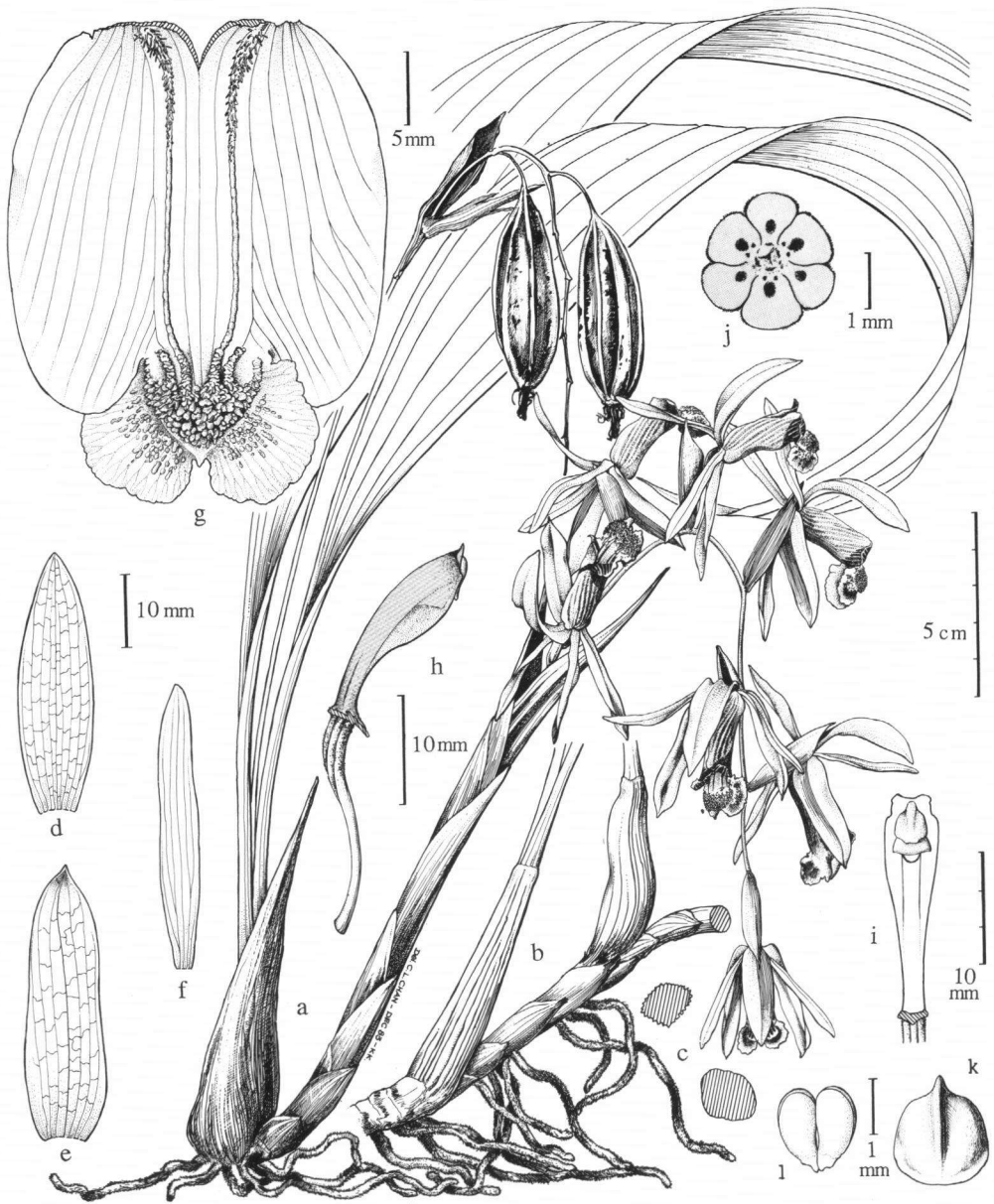


Fig. 15.

Ames & C. Schweinf.

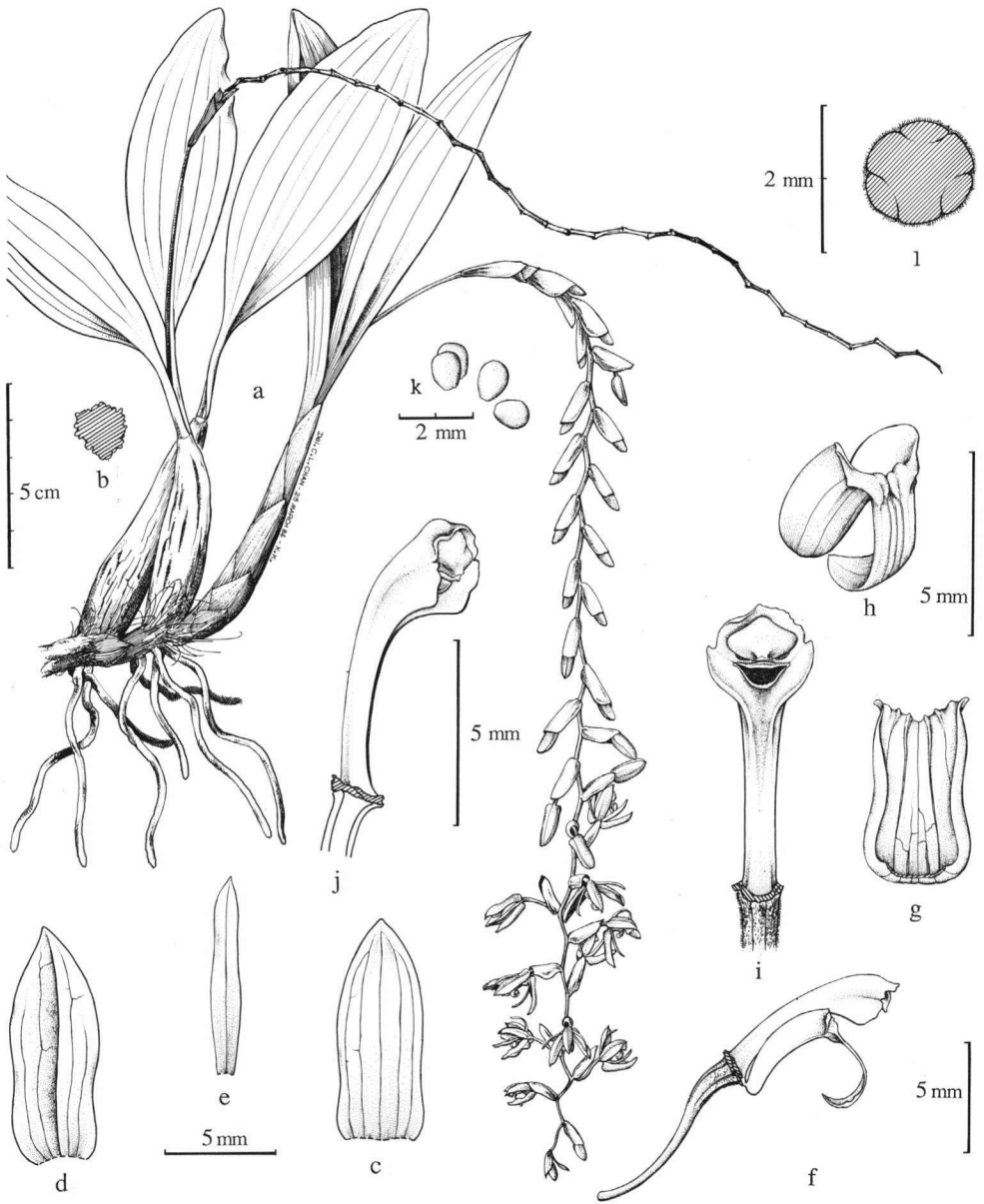


Fig. 16.

J.J. Wood & C.L. Chan

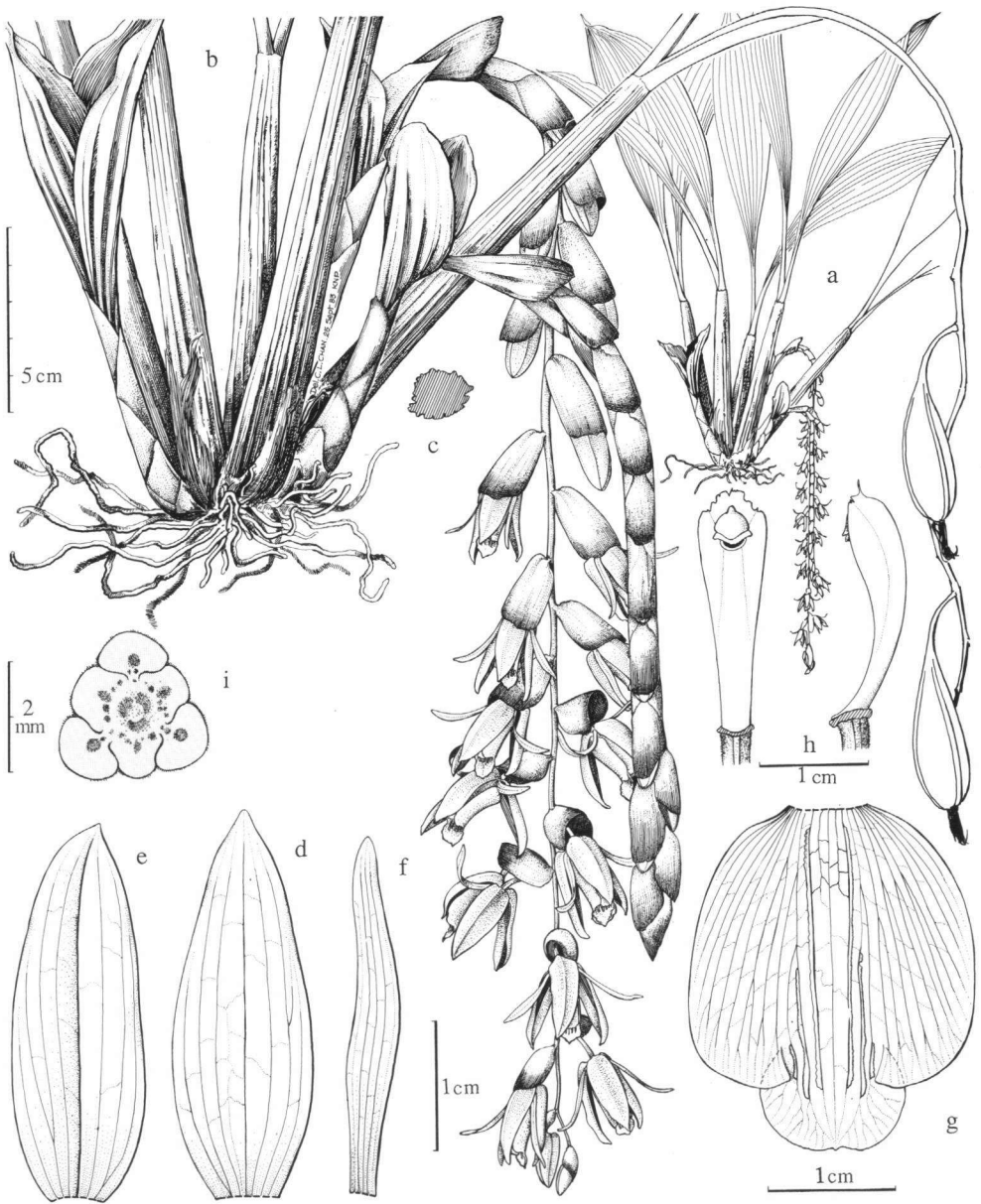


Fig. 17.

Schltr.

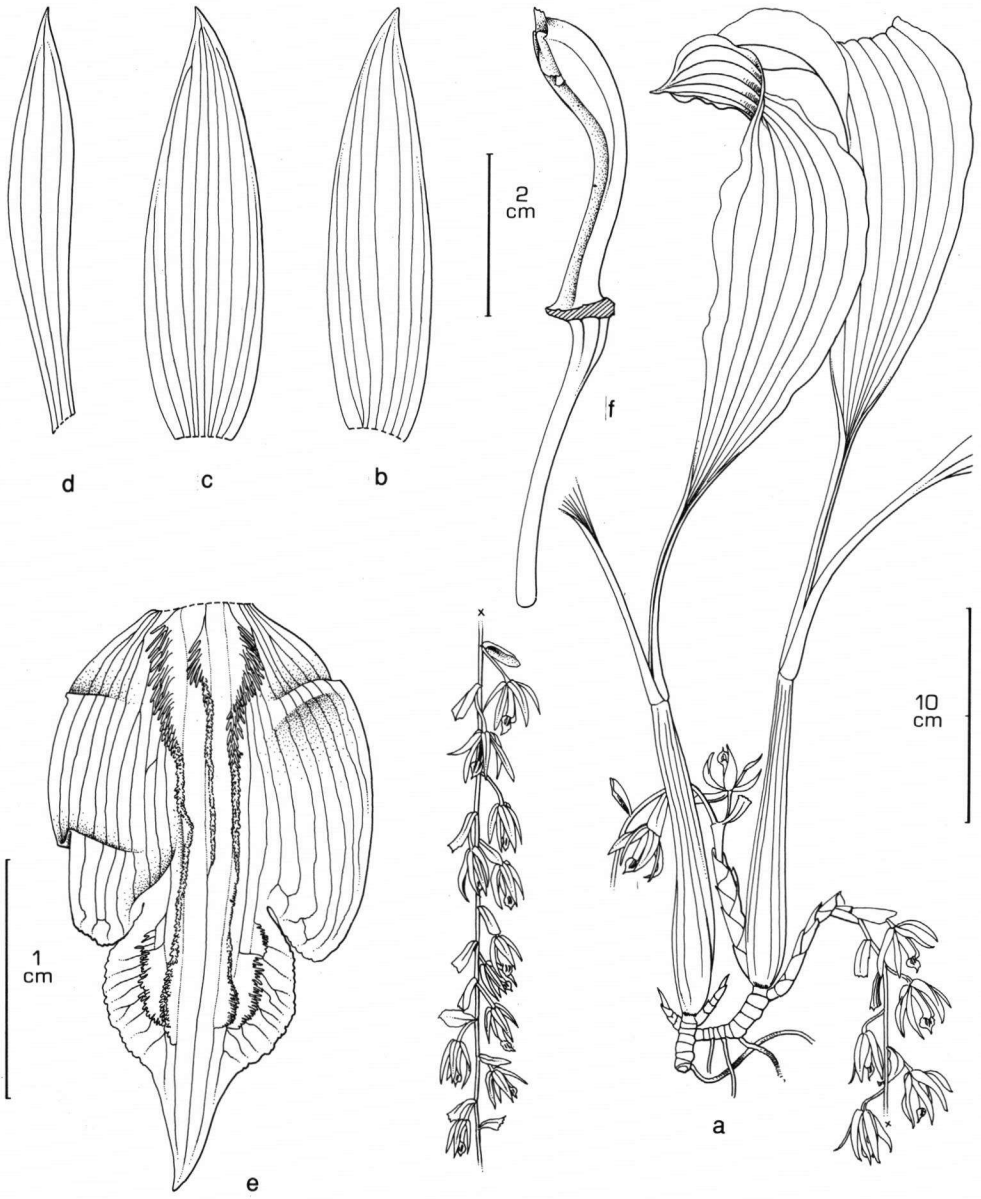


Fig. 18.

de Vriese

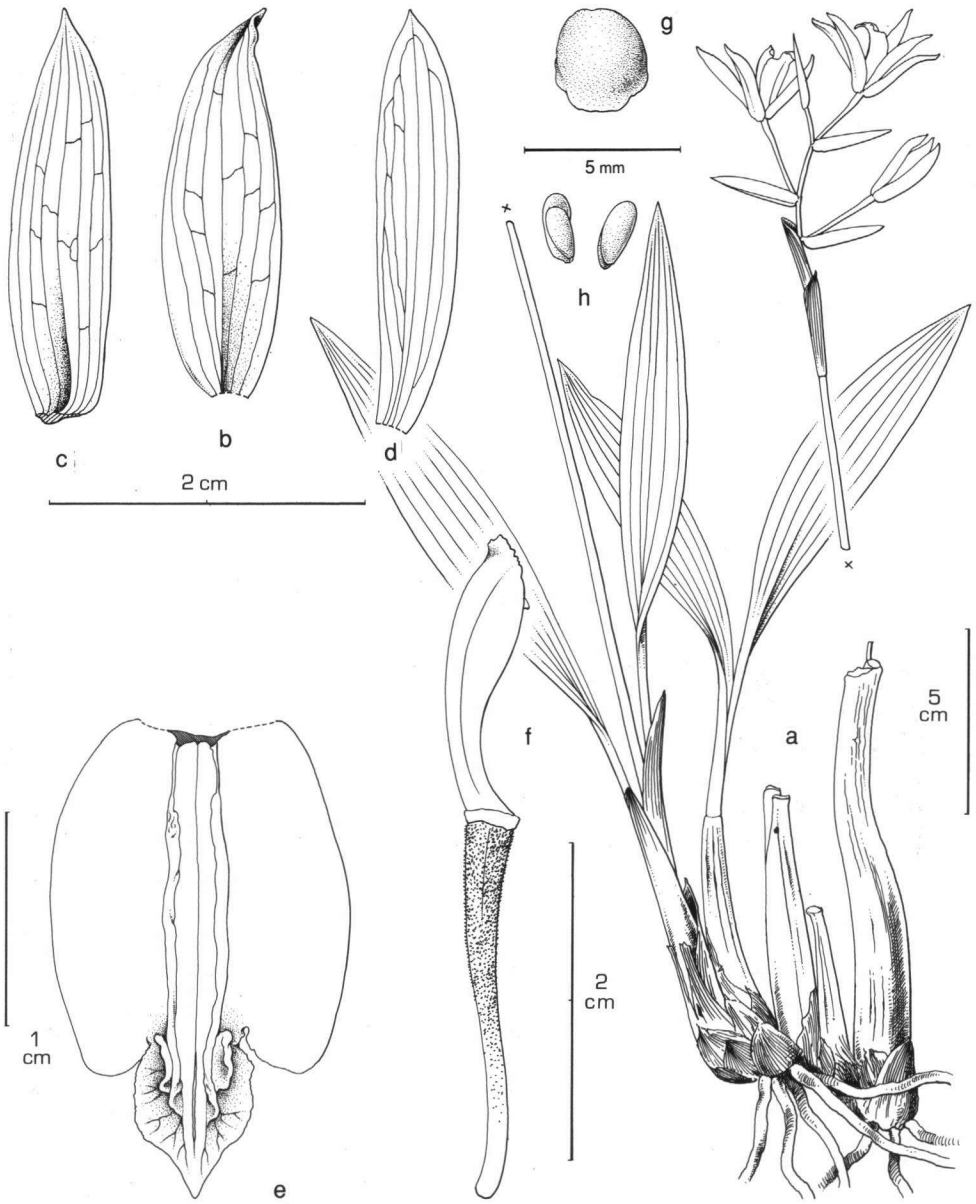


Fig. 19.

Carr

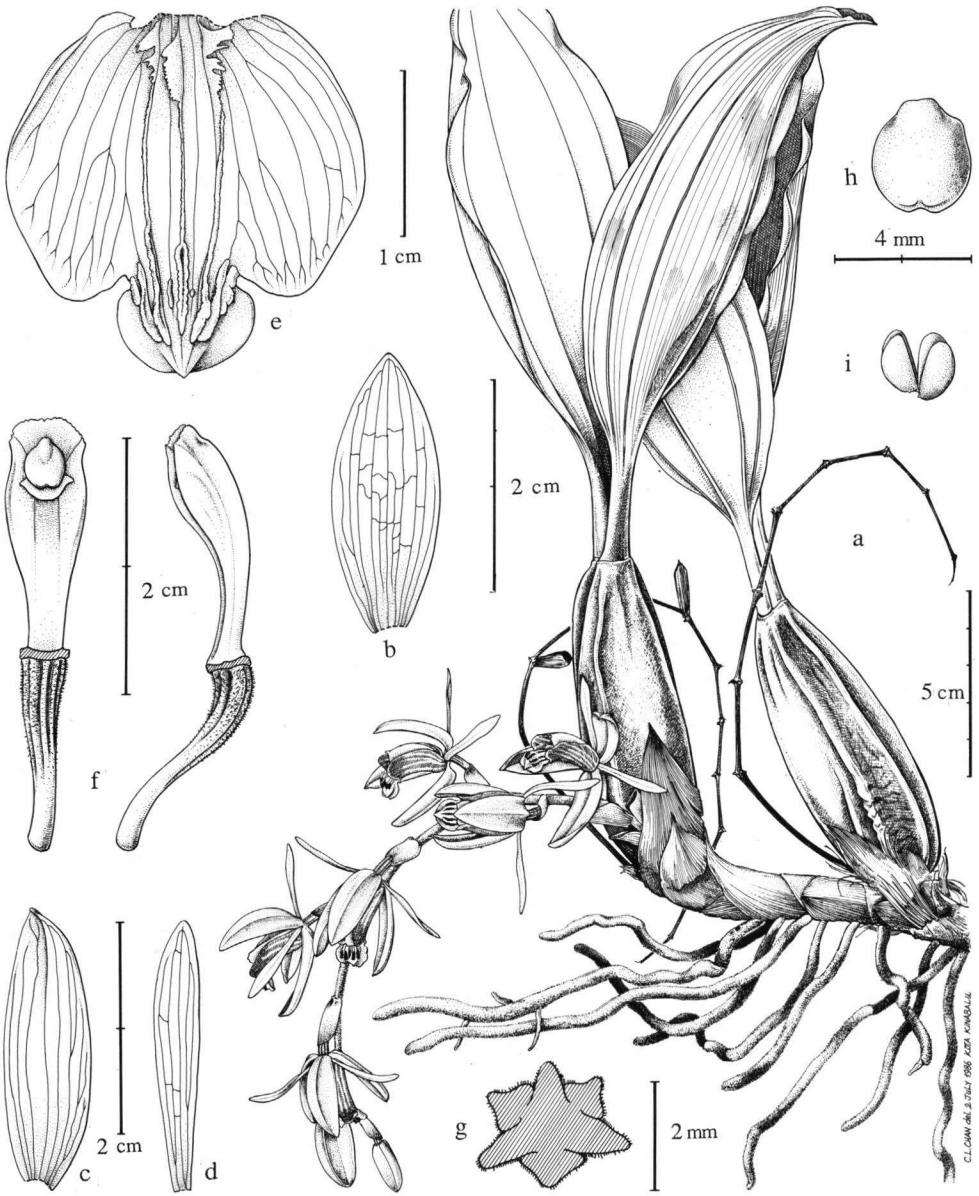


Fig. 20.

Rolfe

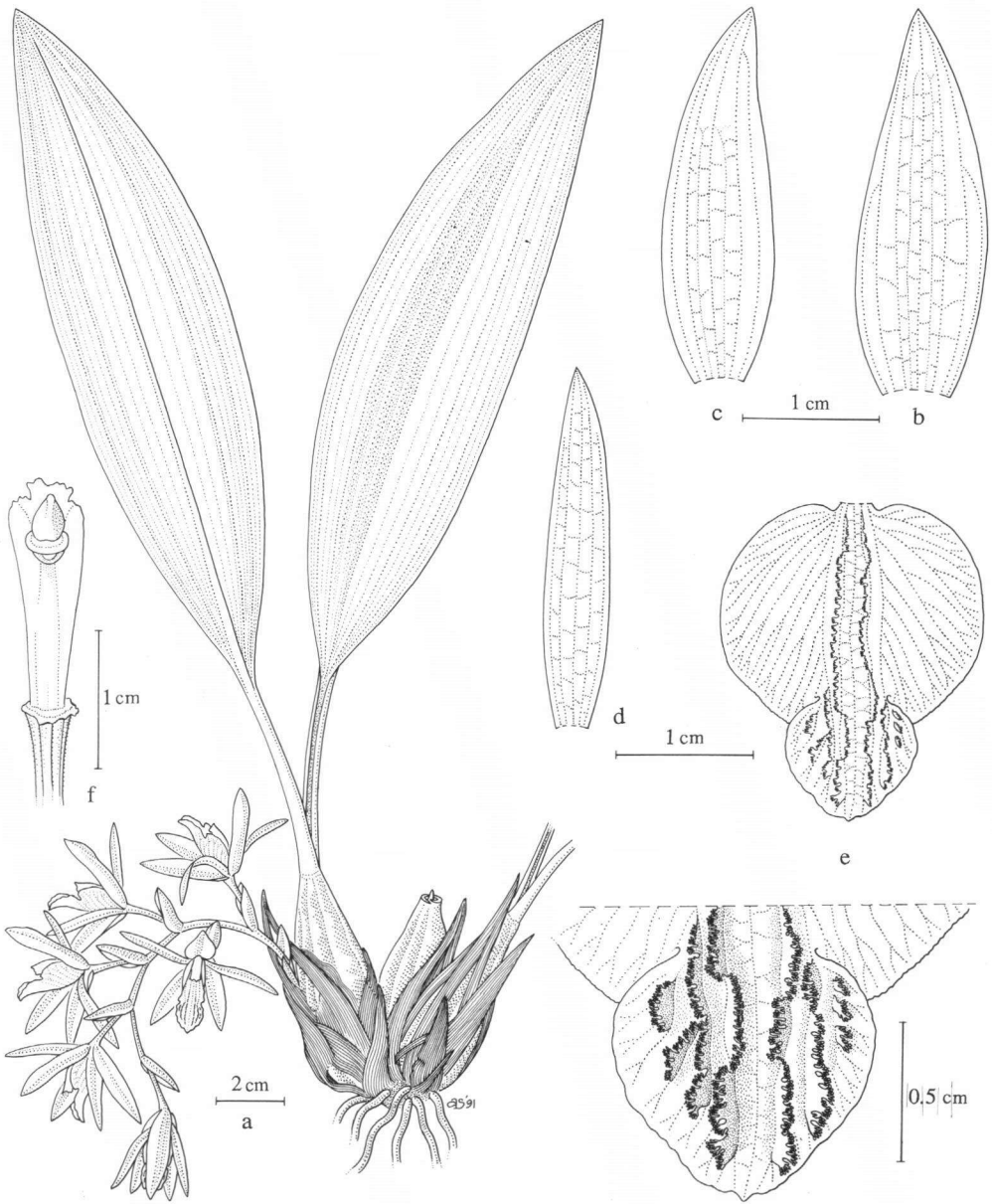


Fig. 21.

Lindley

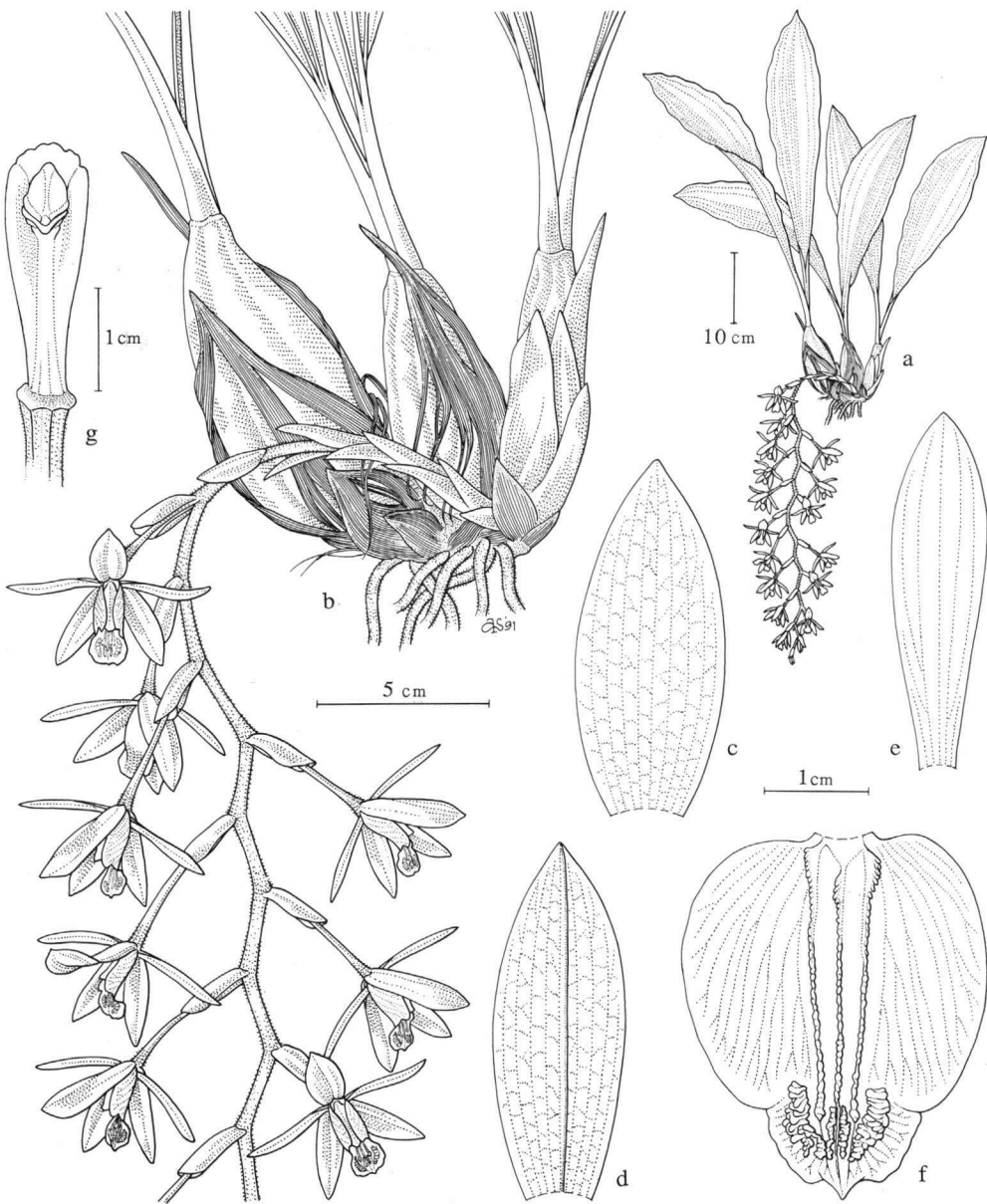


Fig. 22.

Lindley

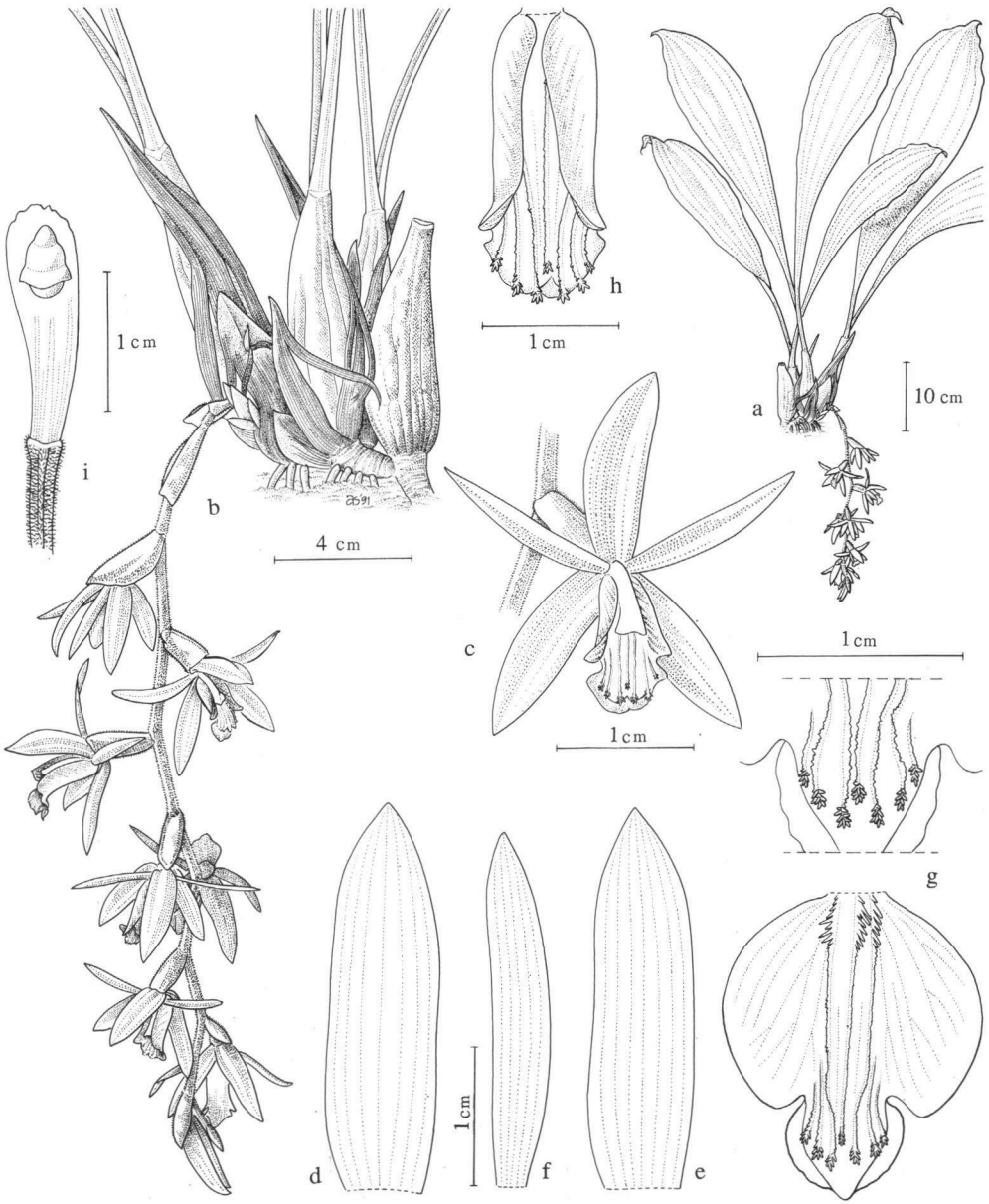


Fig. 23.

de Vogel

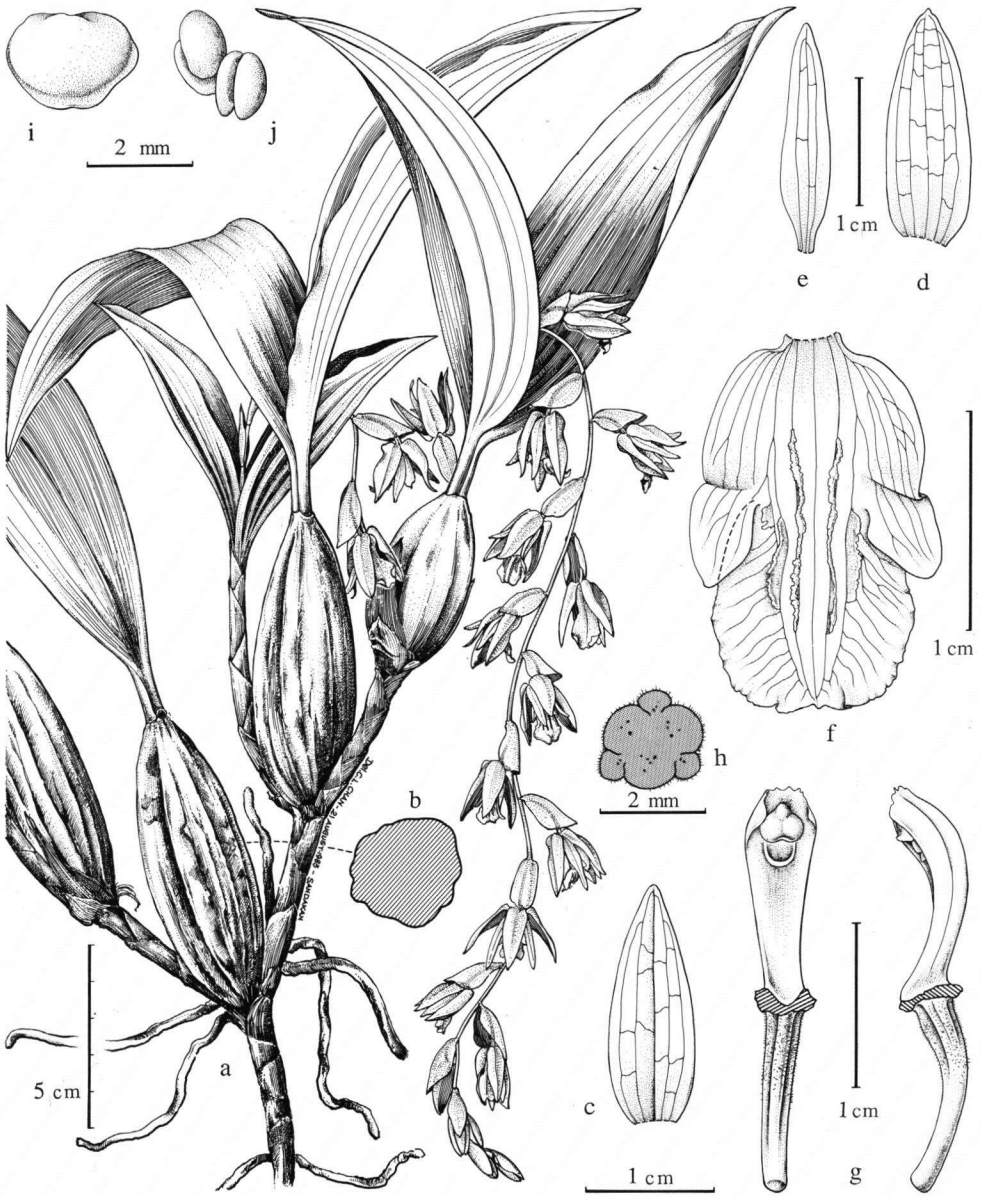


Fig. 24.

Rolfe

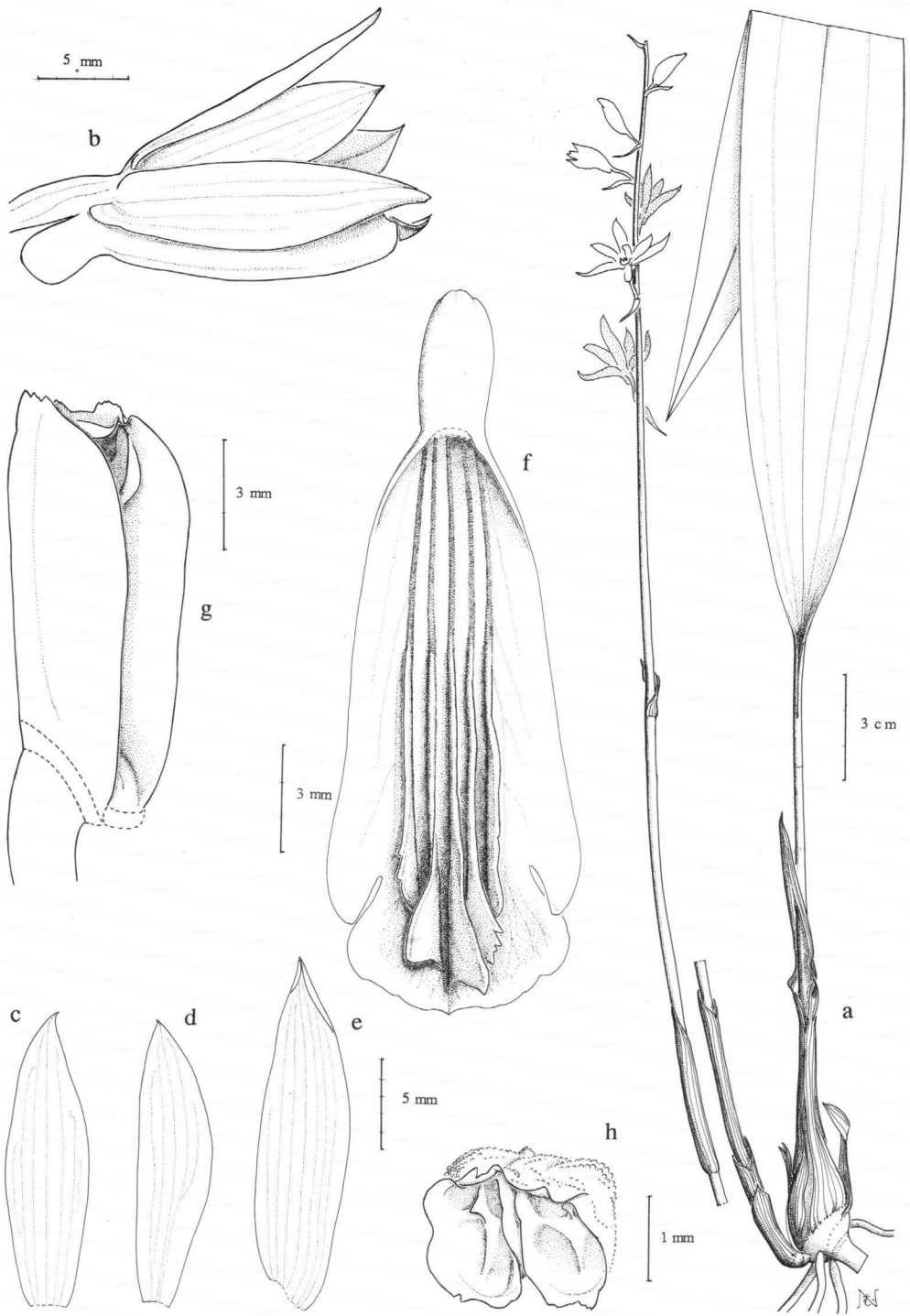


Fig. 25.

Lindley

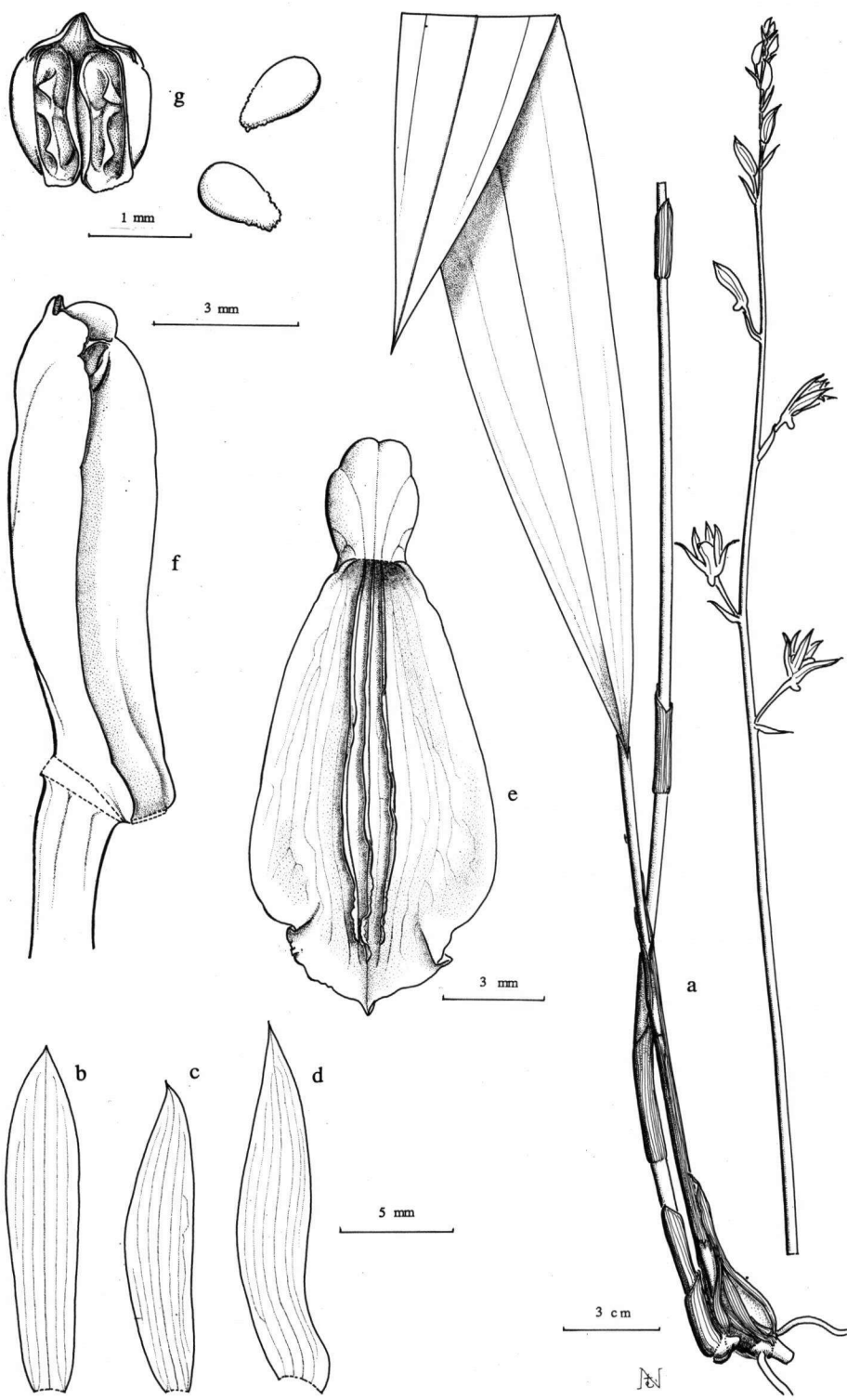


Fig. 26..

(Rolfe) Senghas



Fig. 27.

(Ames) *A. Hawkes ex Senghas*

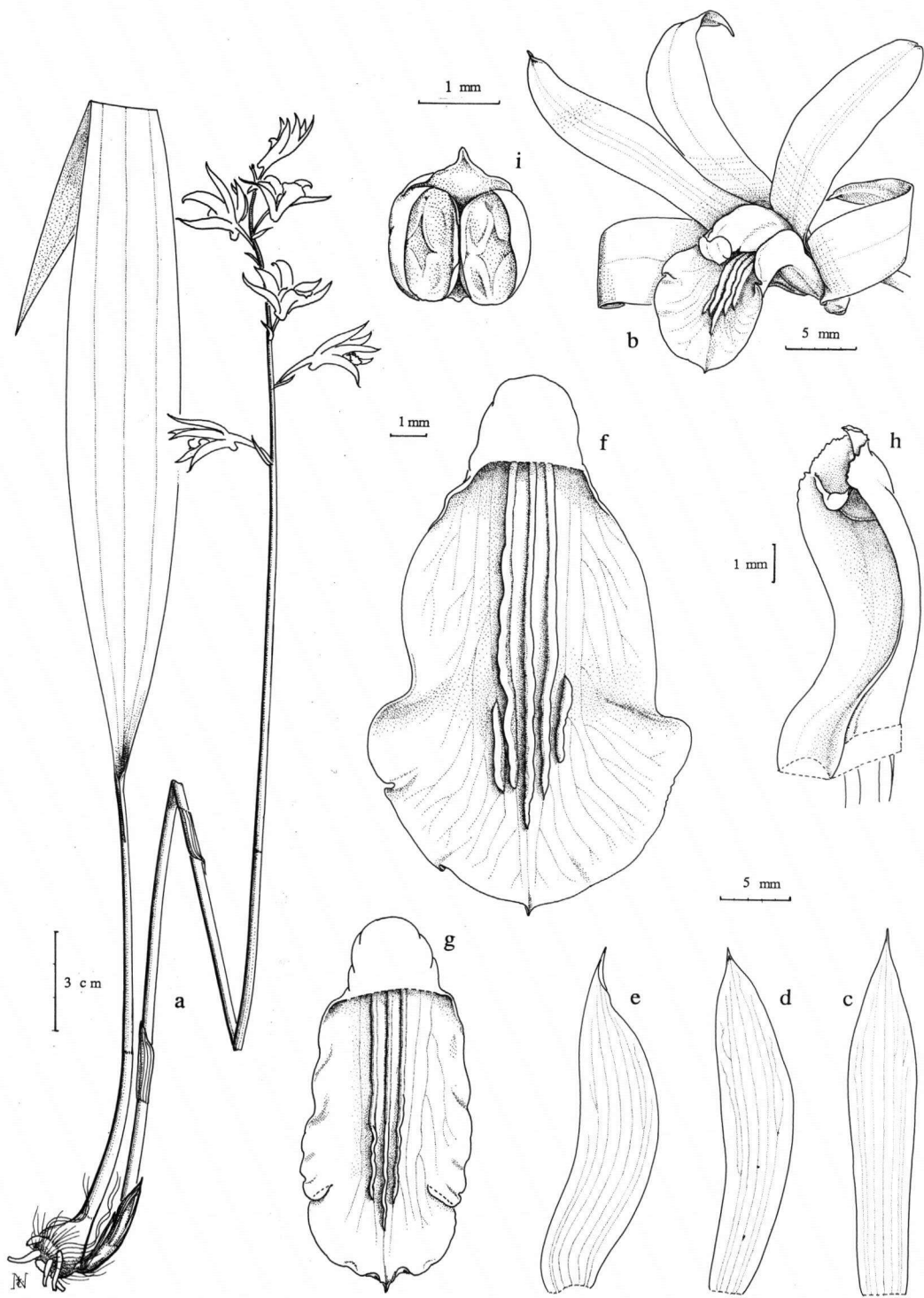


Fig. 28.

(Rolfe) Tang & Wang

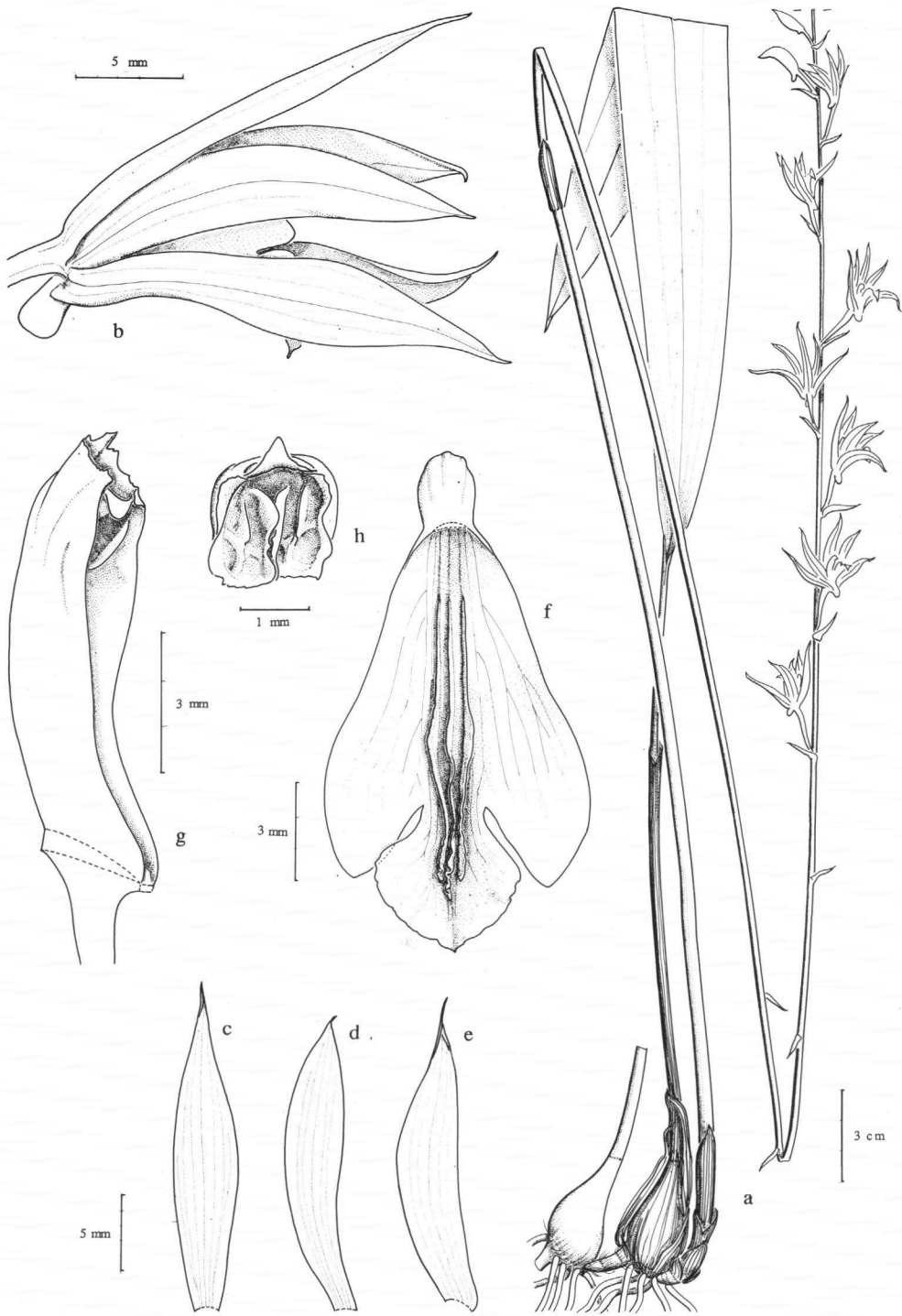


Fig. 29.

(Hook. f.) Summerh.

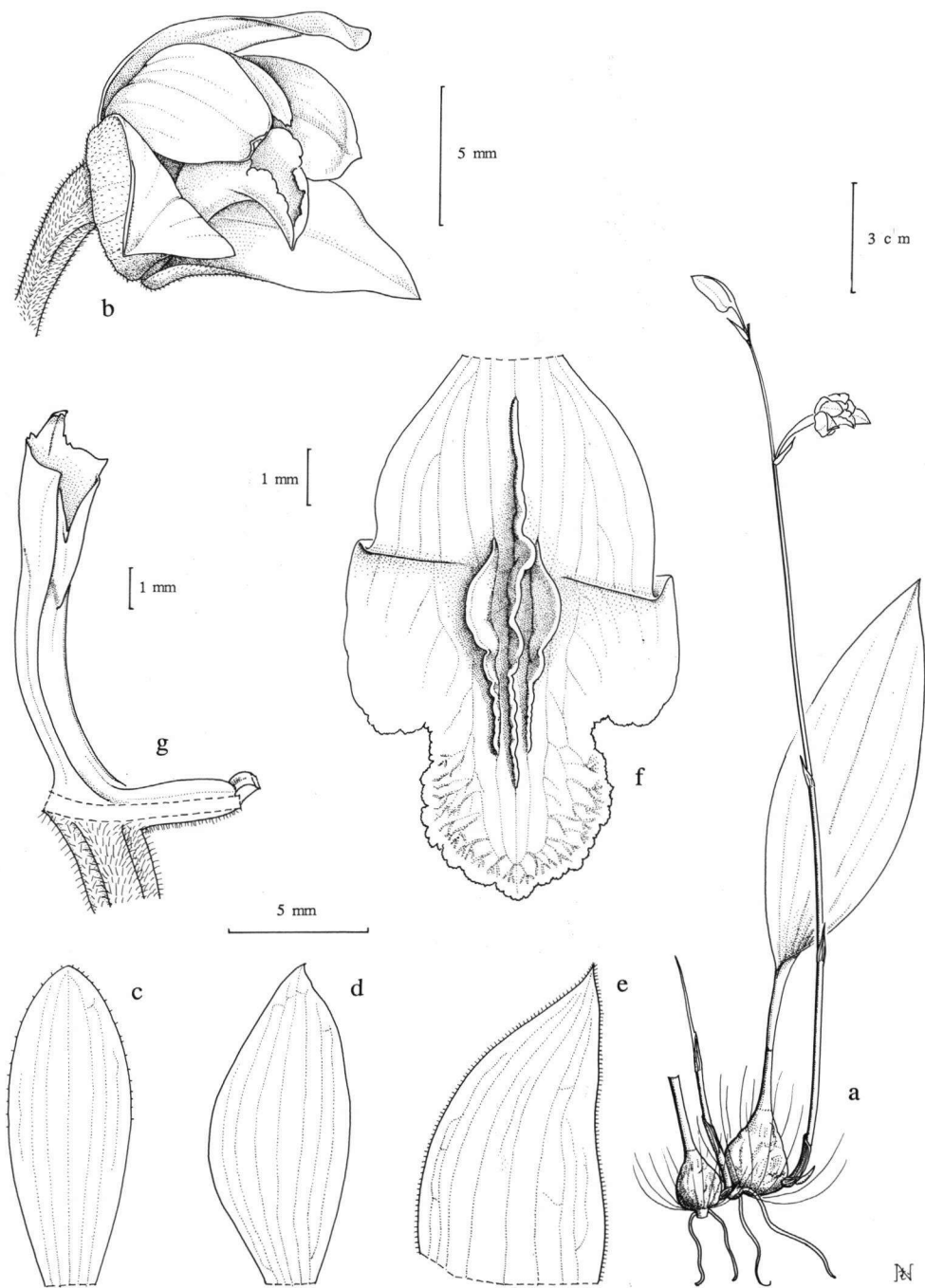


Fig. 30.

A. Lamb in H. Turner

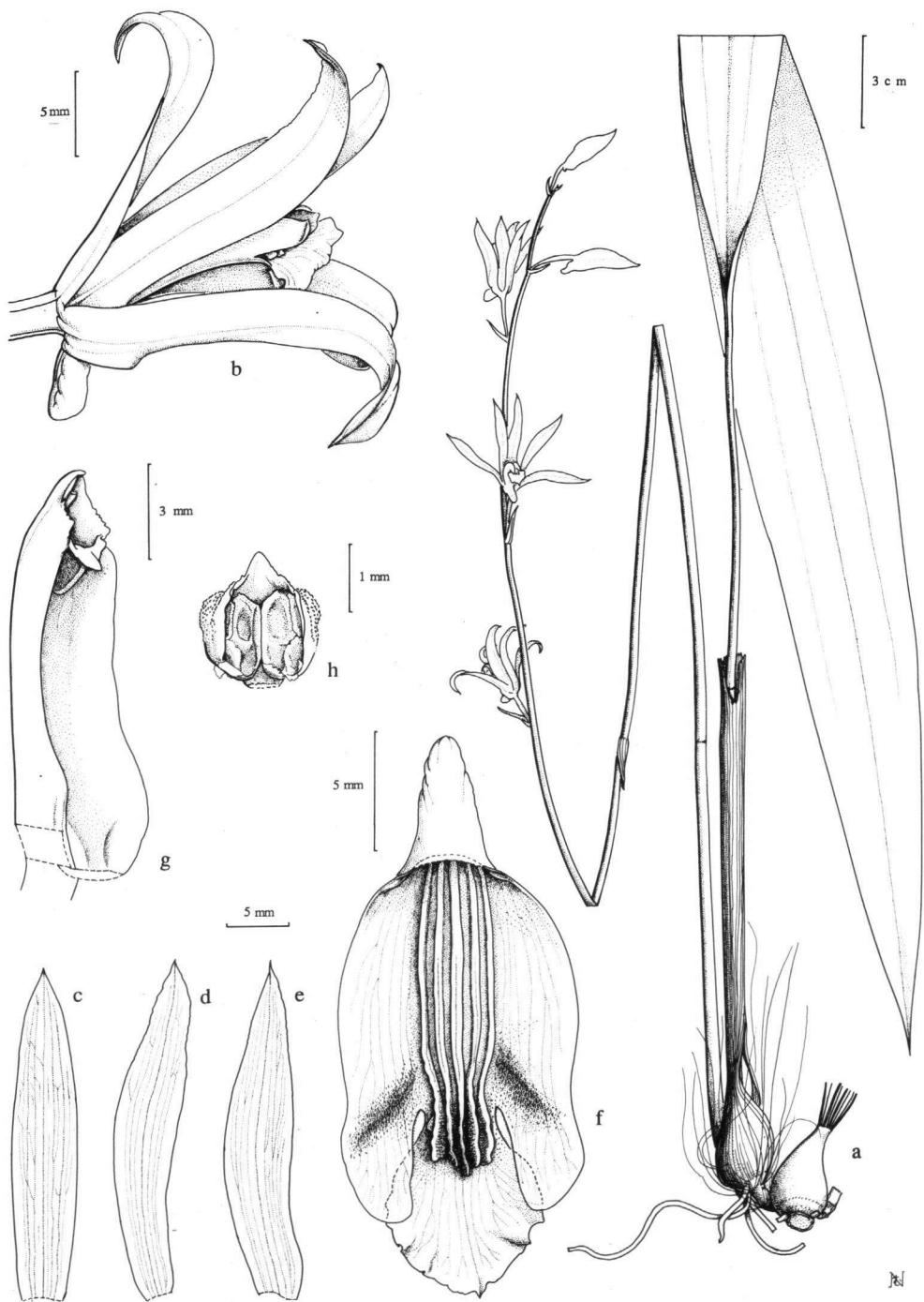


Fig. 31.

S. Y. Hu & Barretto

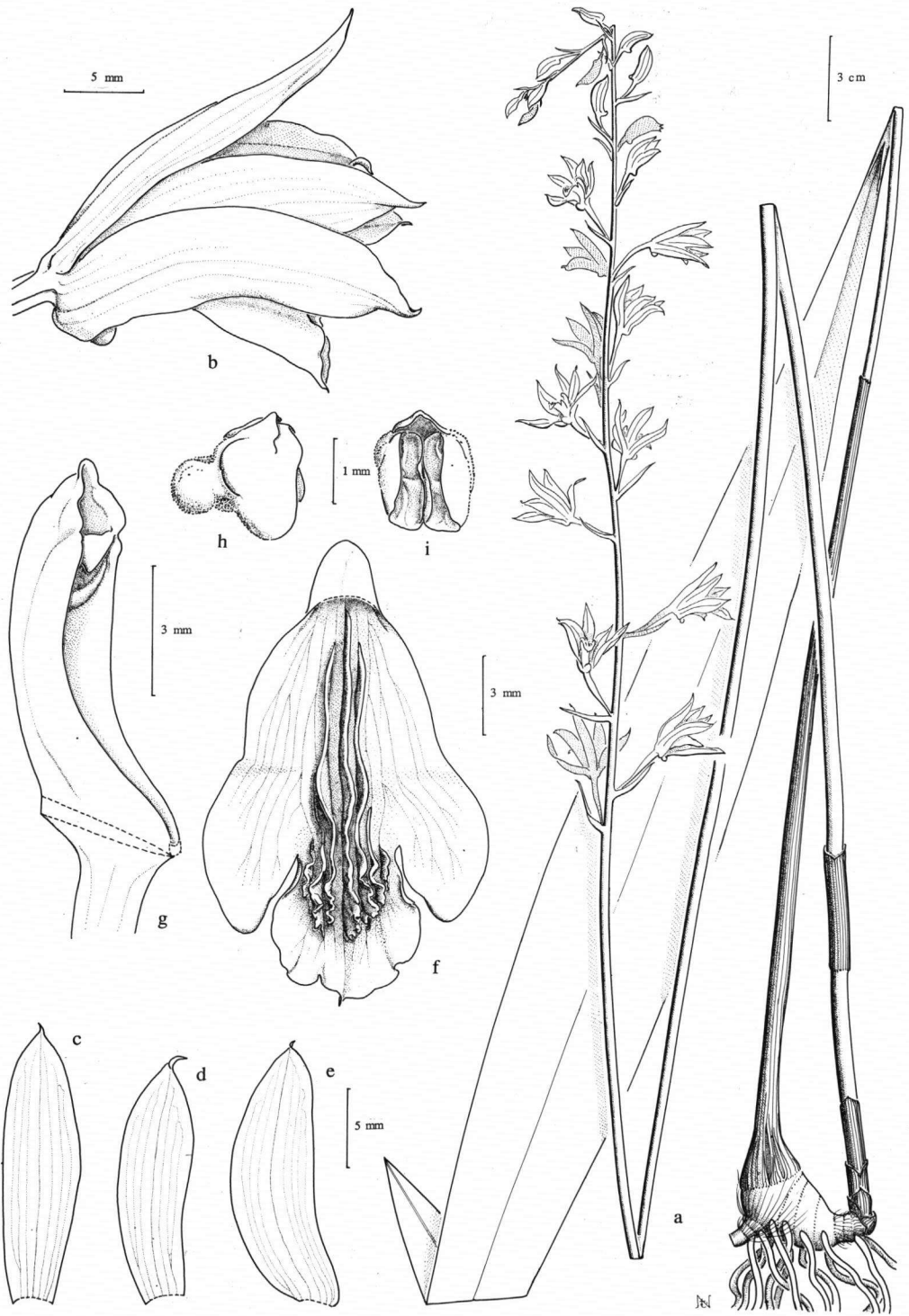


Fig. 32.

(Hook.) Tang & Wang ex Summern.

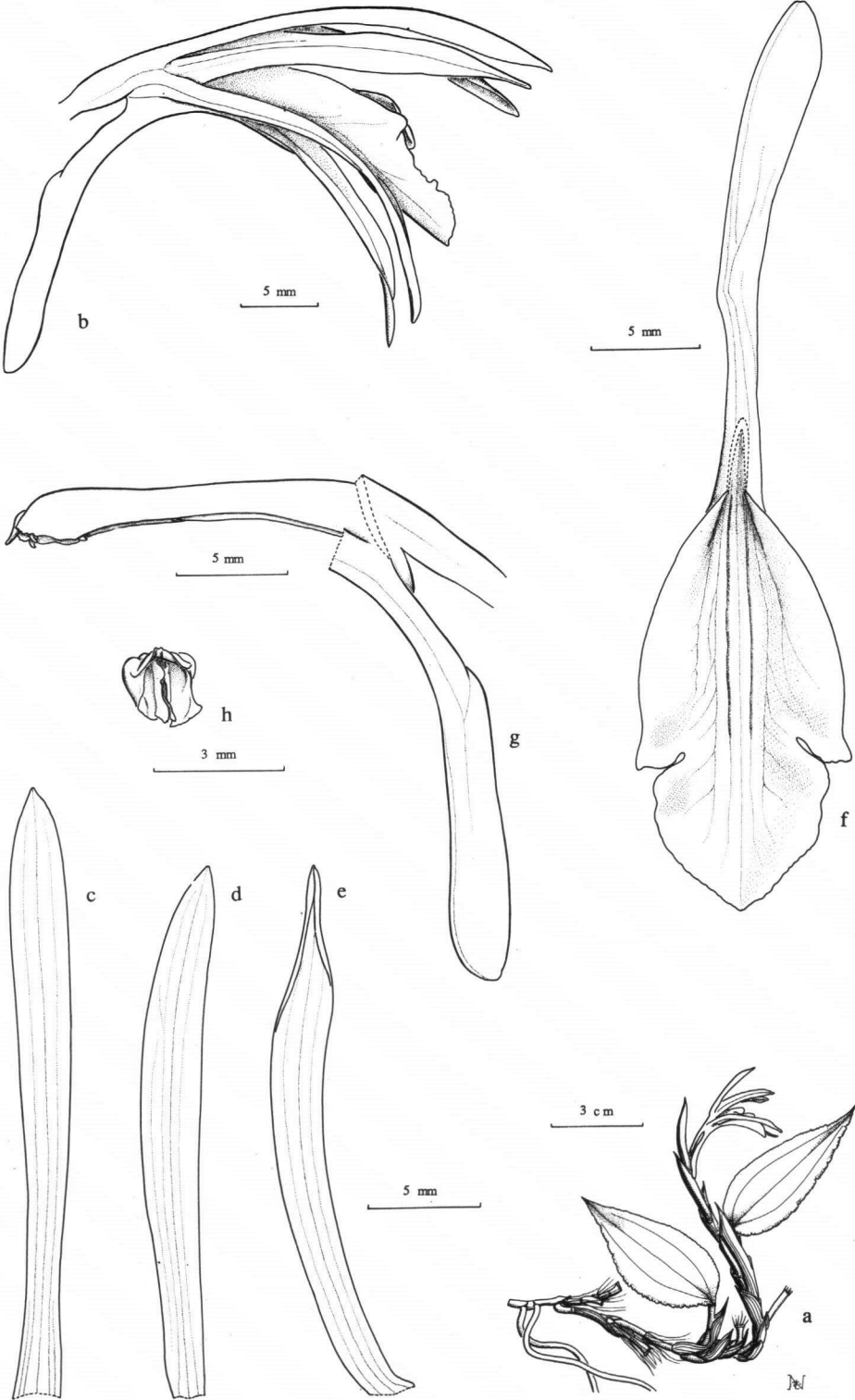
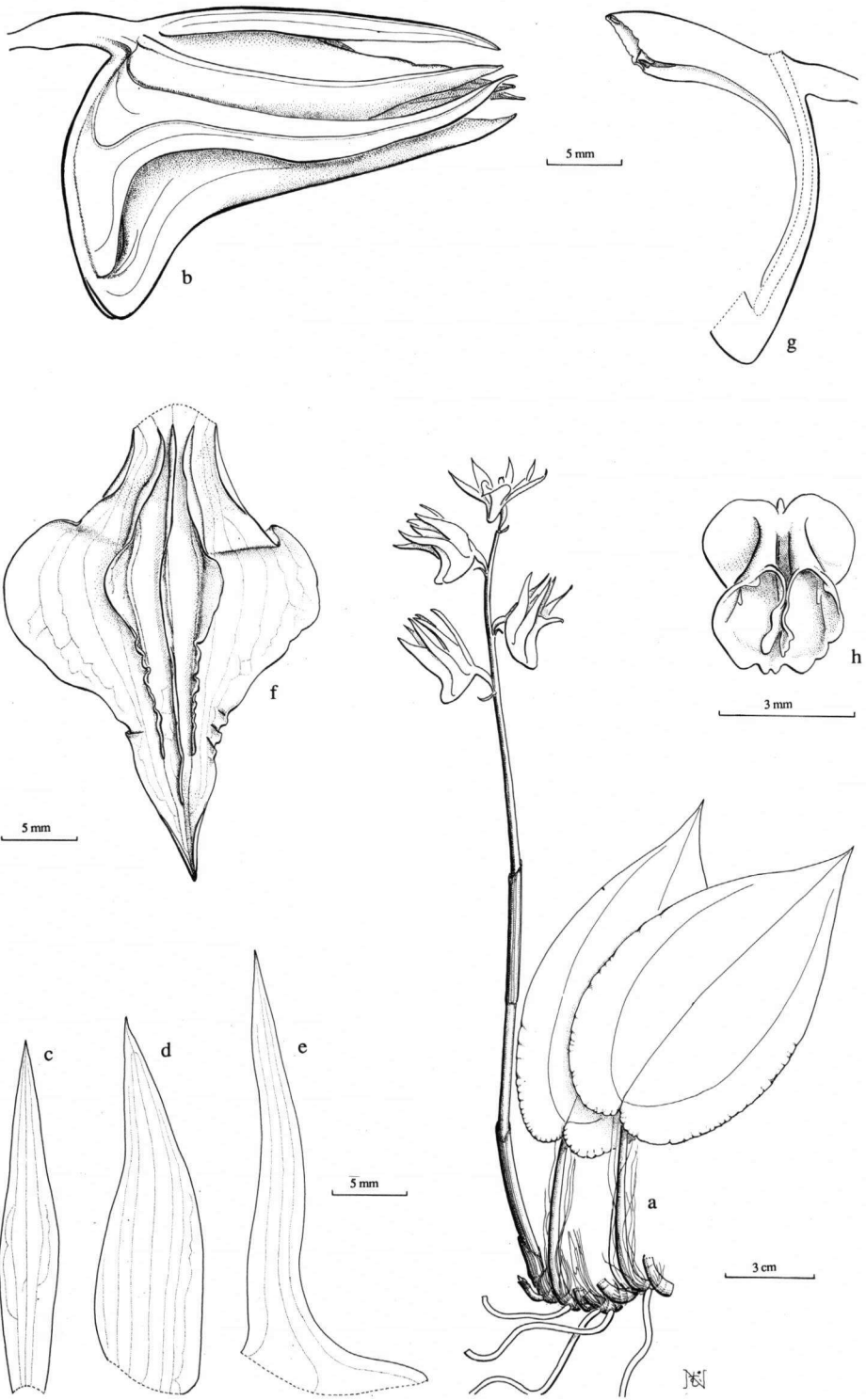


Fig. 33.

Rolfe



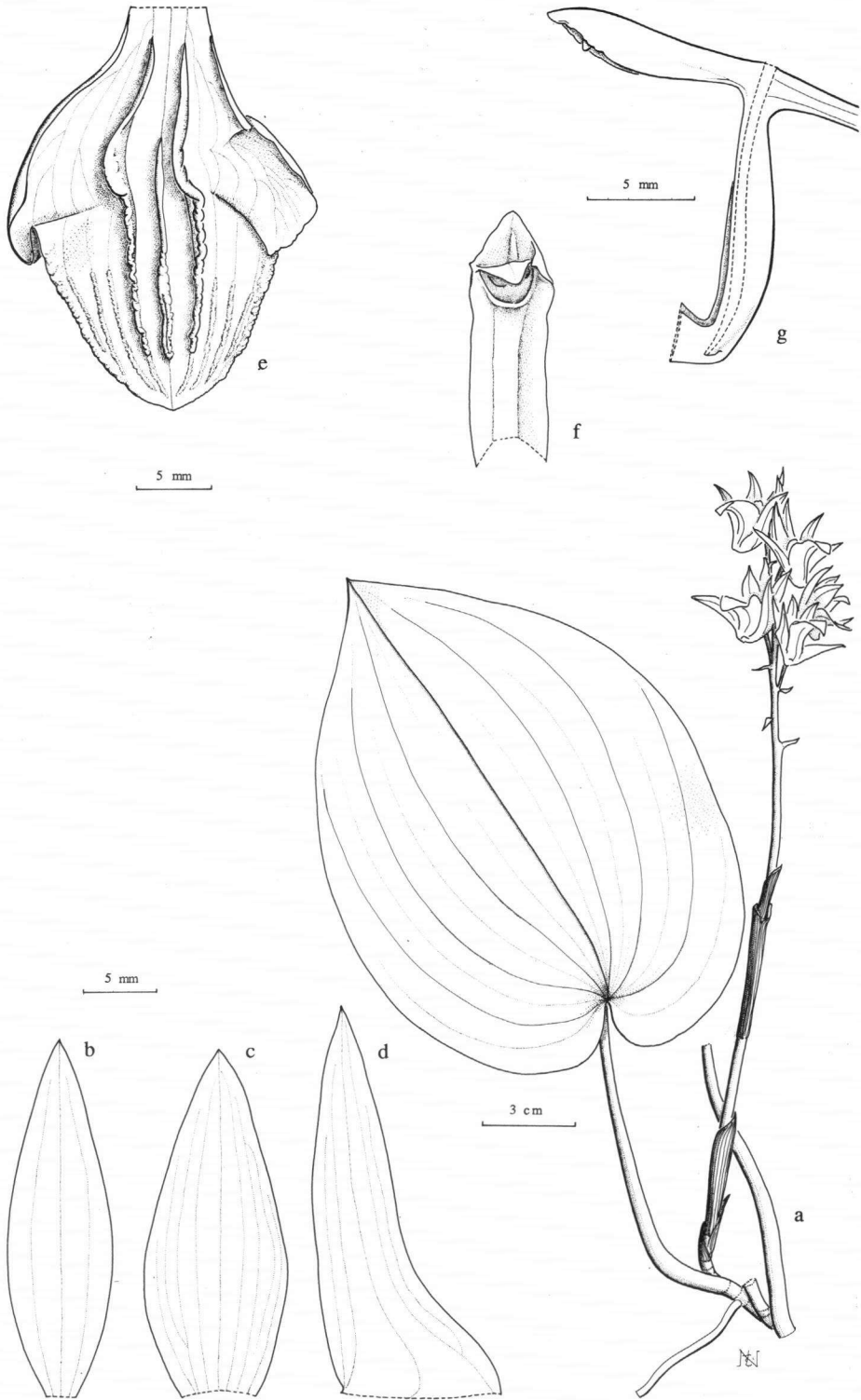


Fig. 35.

H. Turner

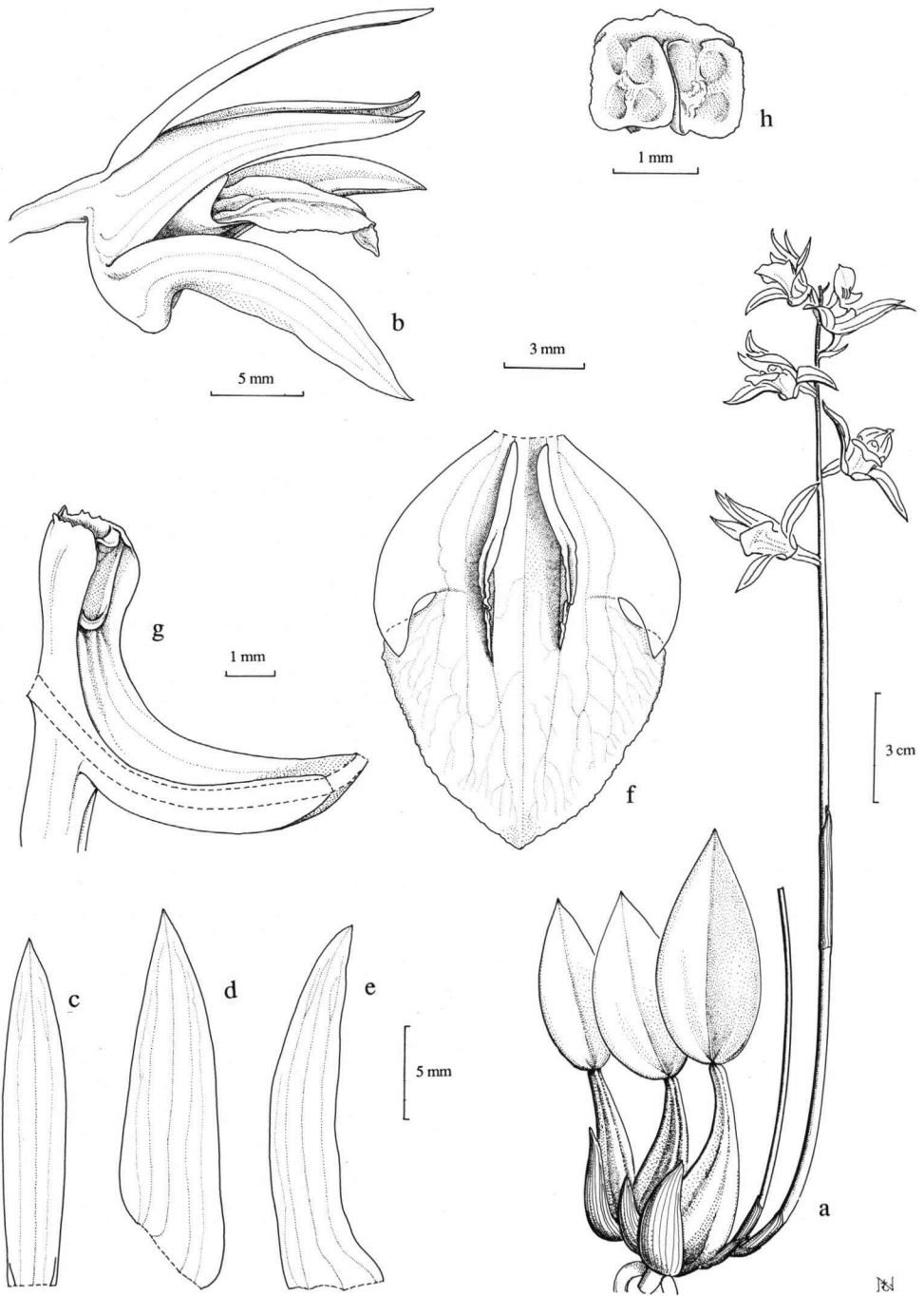


Fig. 36.

Seidenf. in H. Turner

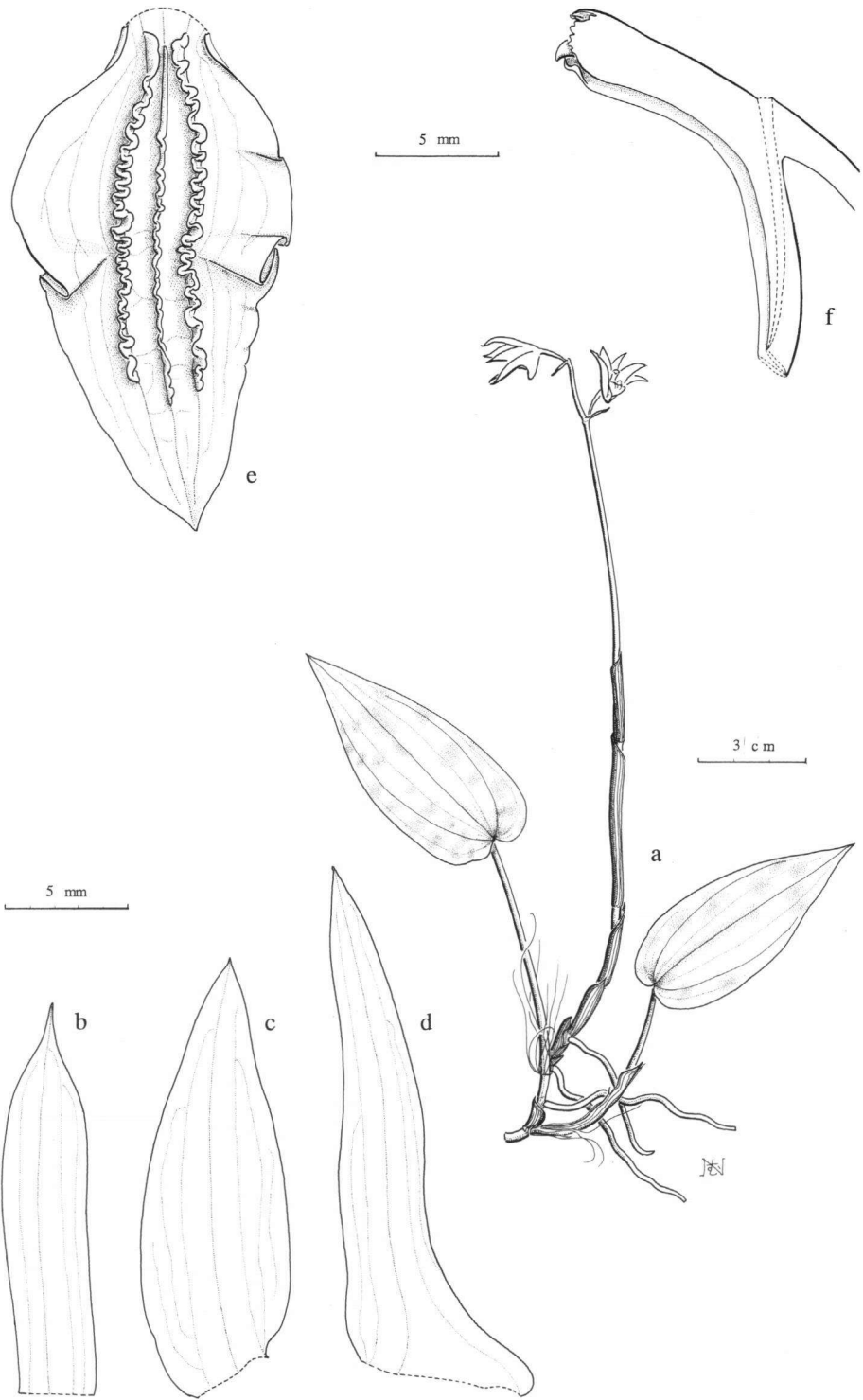


Fig. 37.

(J.J. Smith) H. Turner

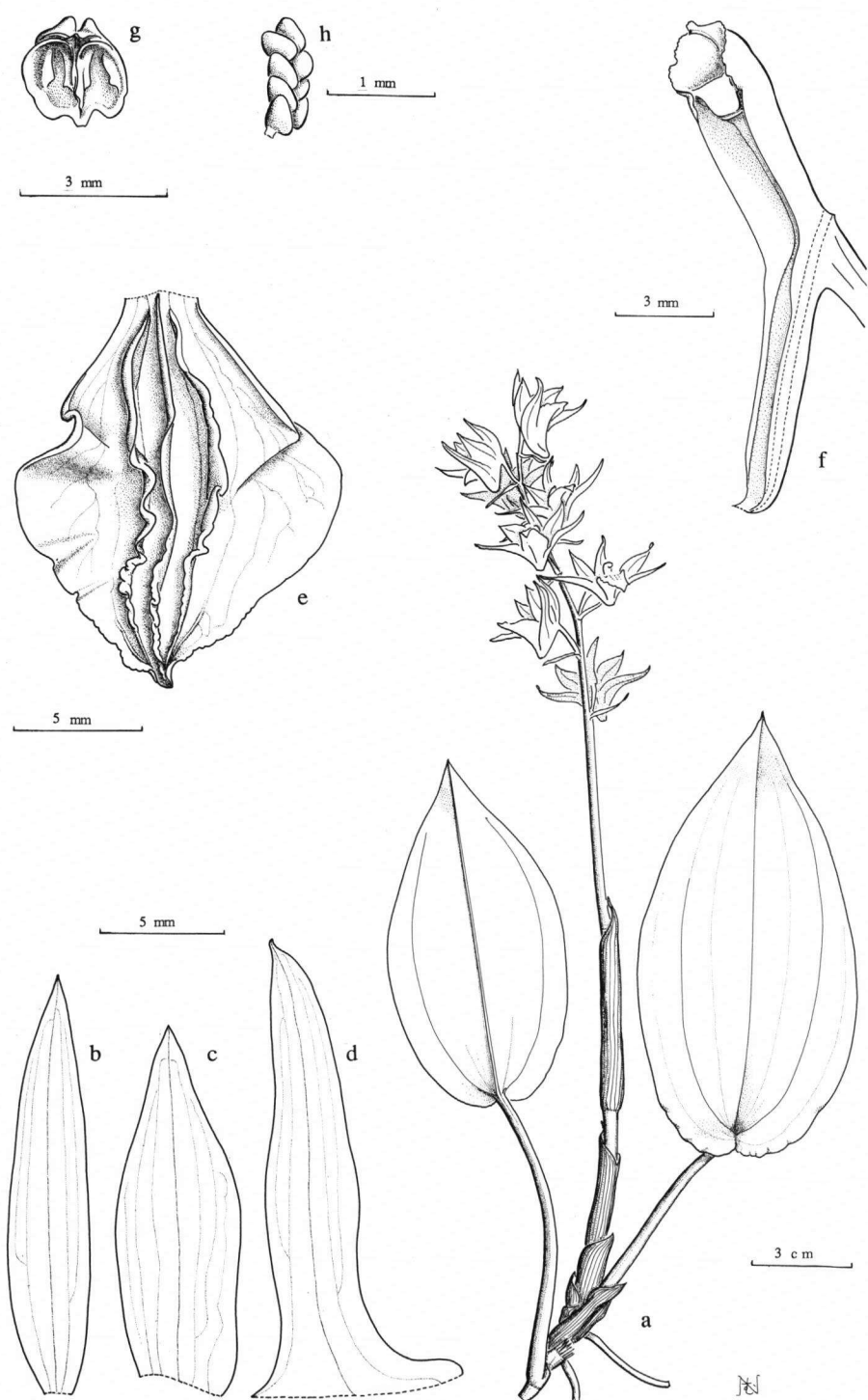


Fig. 38.

Tang & Wang

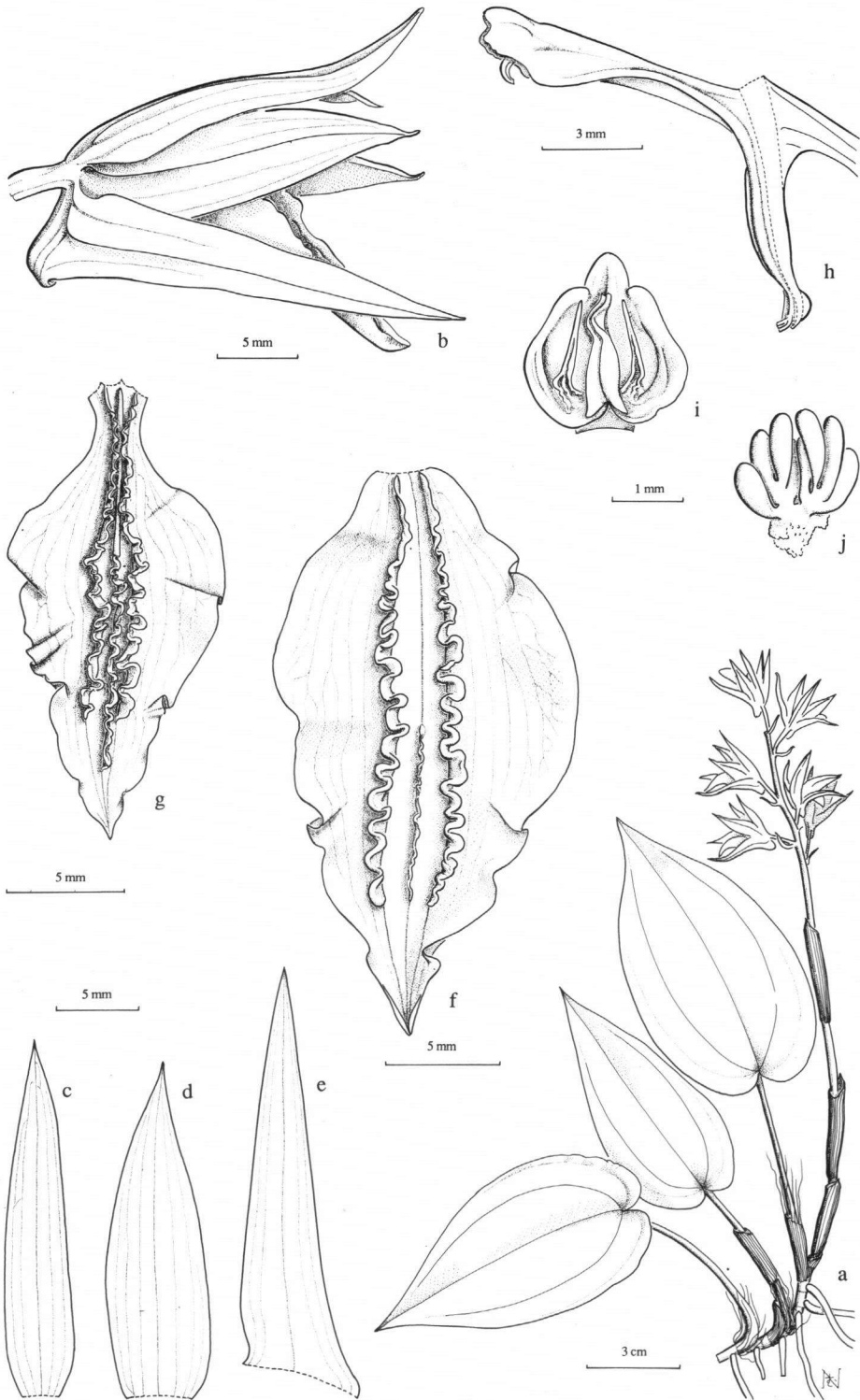


Fig. 39.

(J.J. Smith) Schltr.

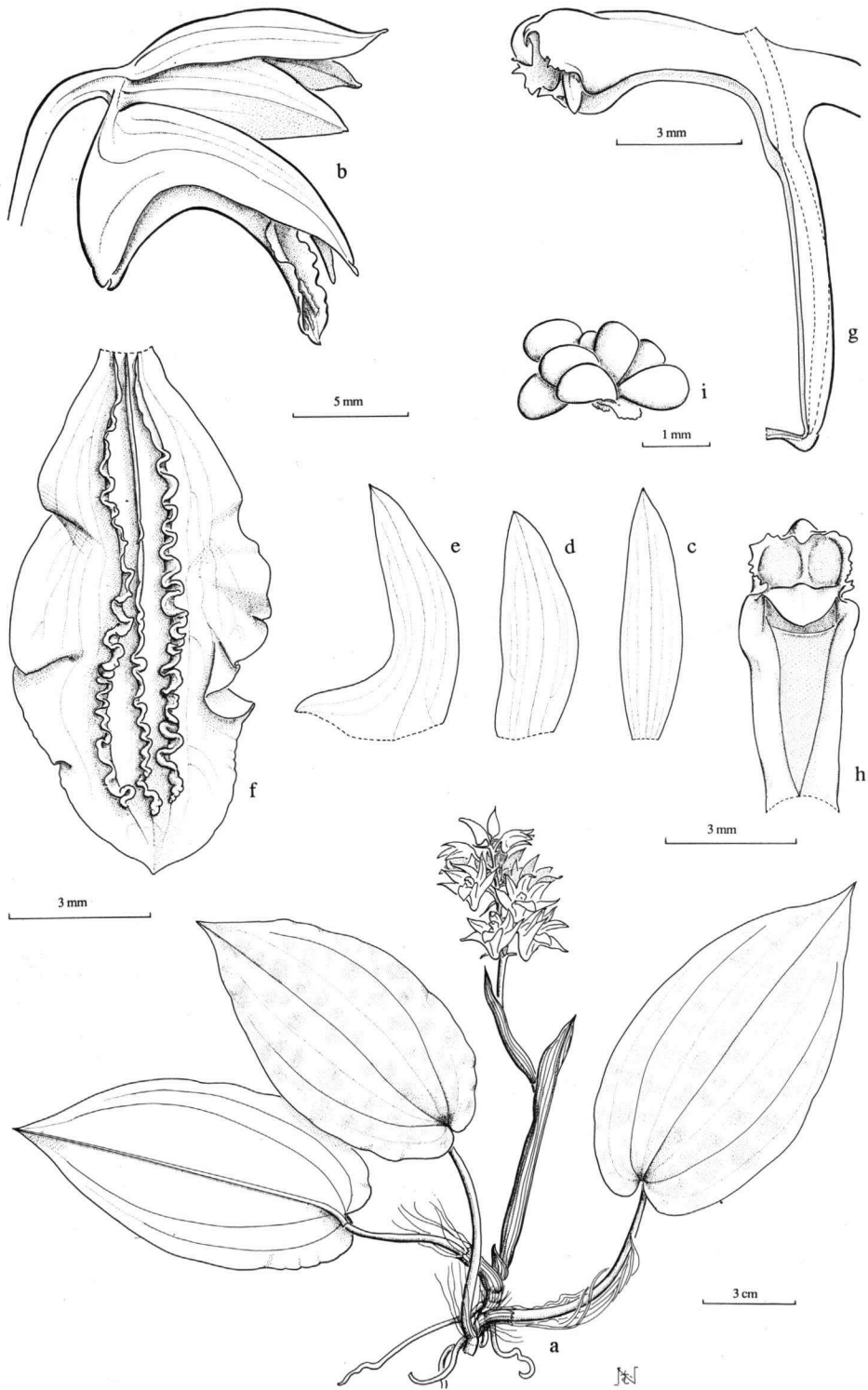


Fig. 40.

(Hook. f.) Schltr.

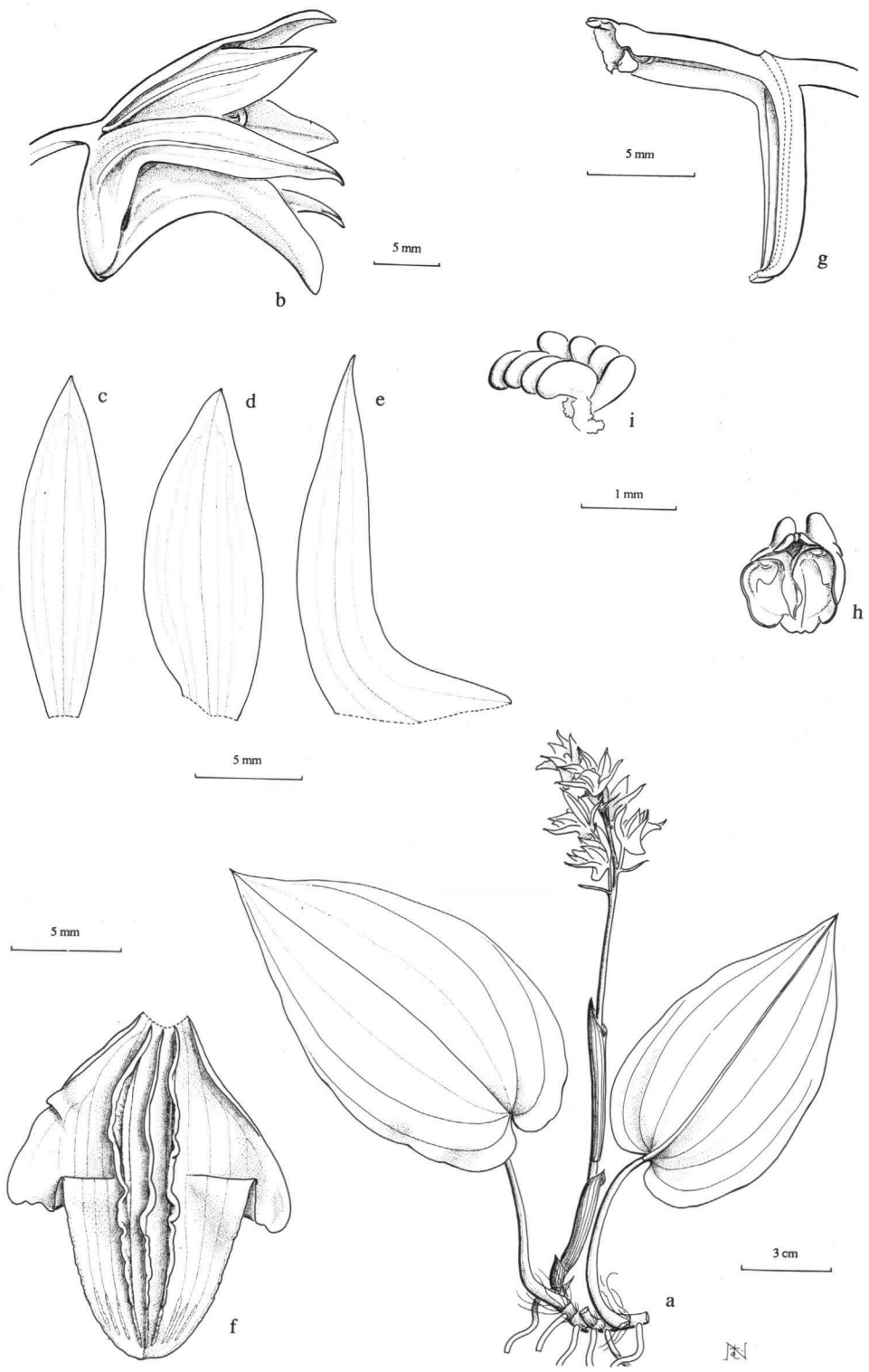


Fig. 41.

(Hook. f.) Rolfe

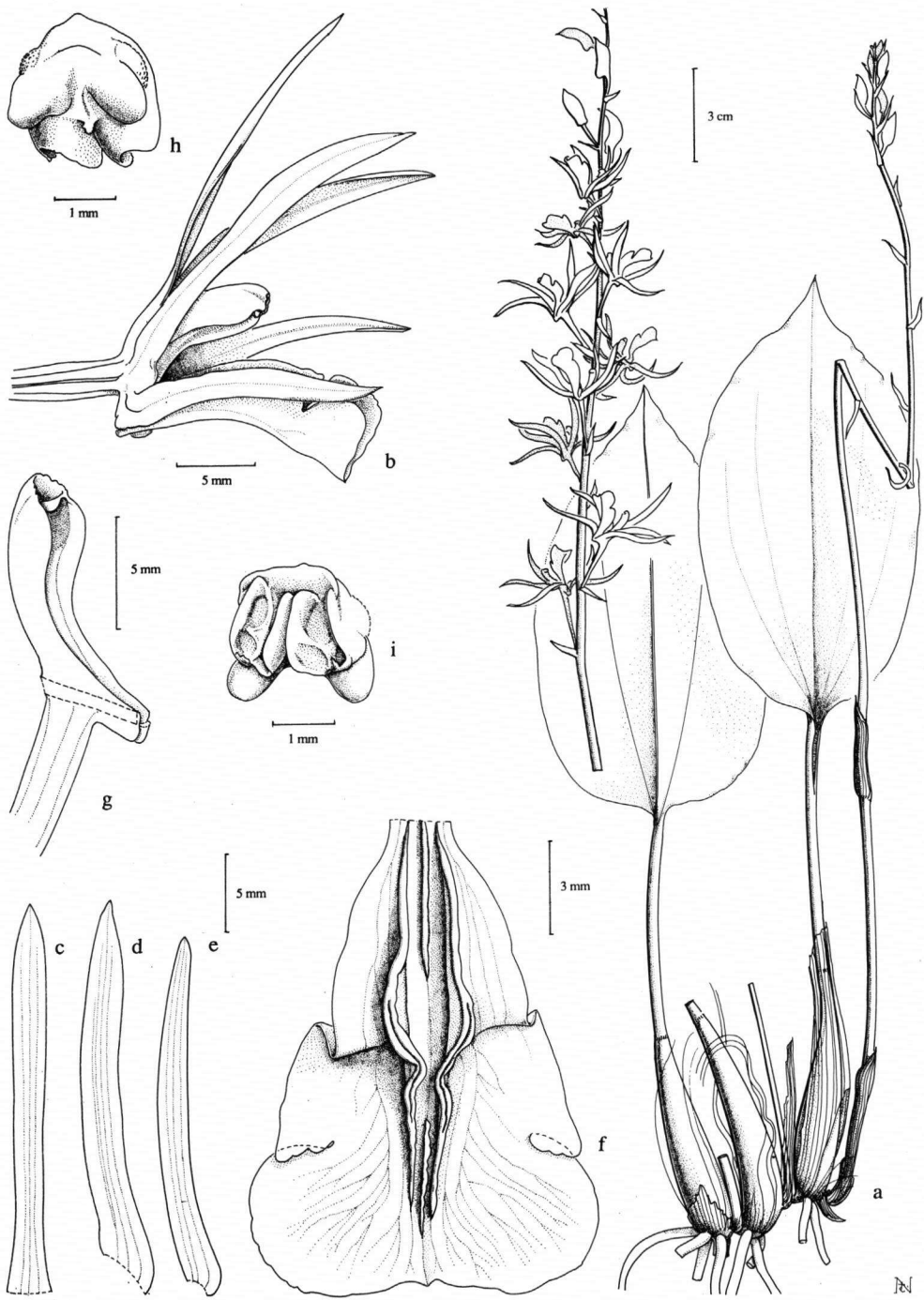


Fig. 42.

(Lindley) Reichb. f.

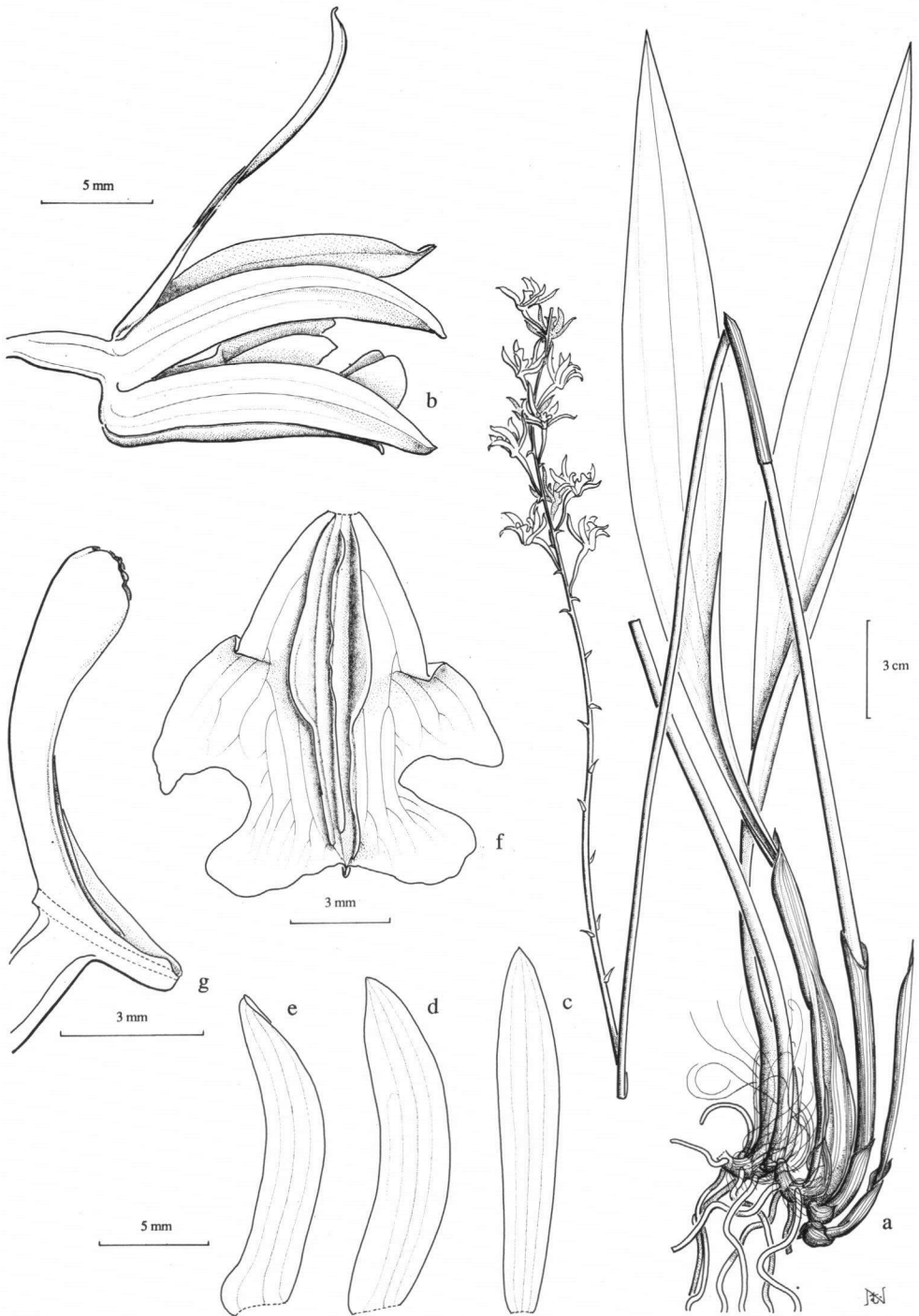


Fig. 43.

Rolfe



Fig. 44.

(Lindley) Reichb. f. subsp.

(J.J. Smith) H. Turner

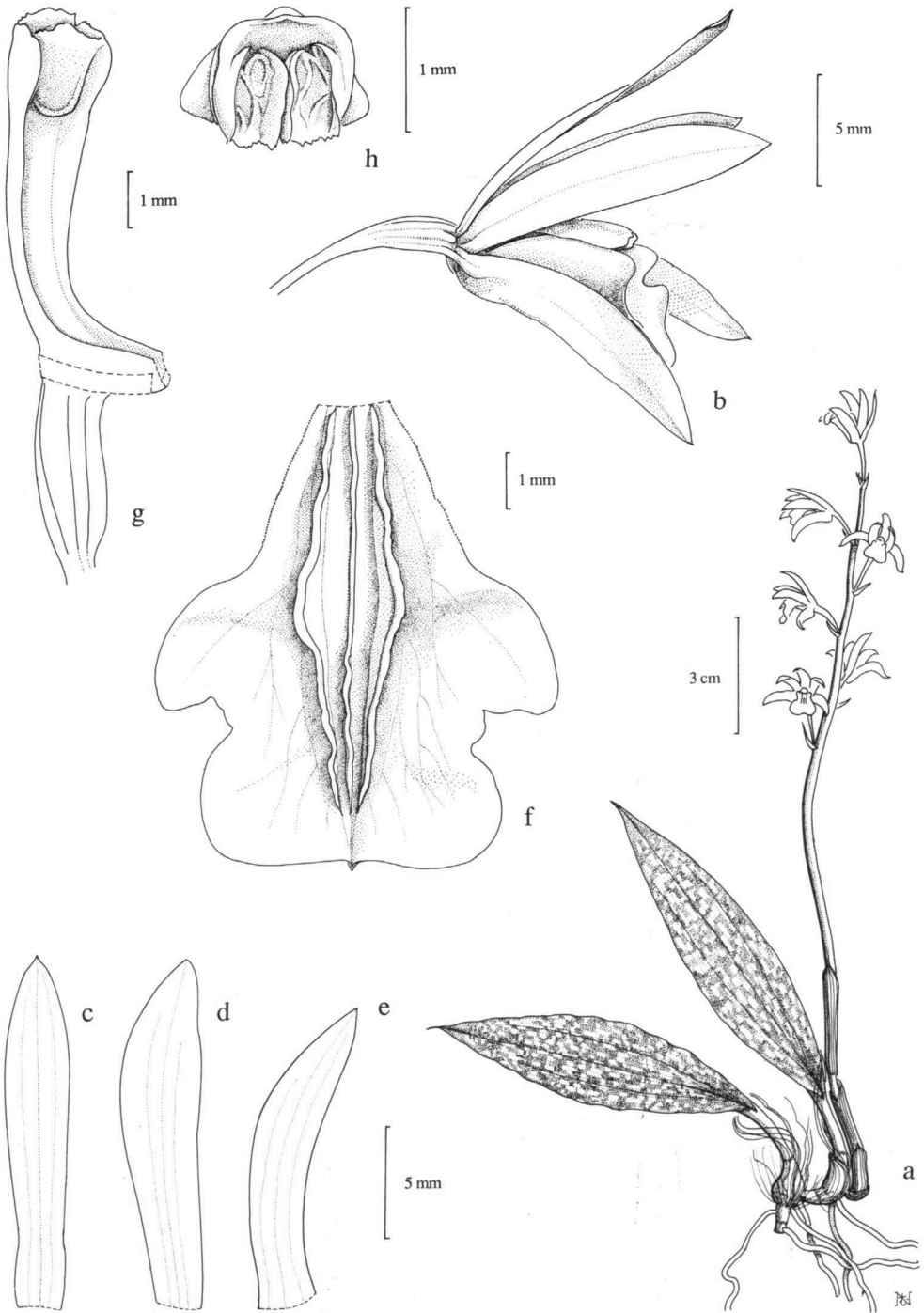


Fig. 45.

(Ito ex Makino) Makino

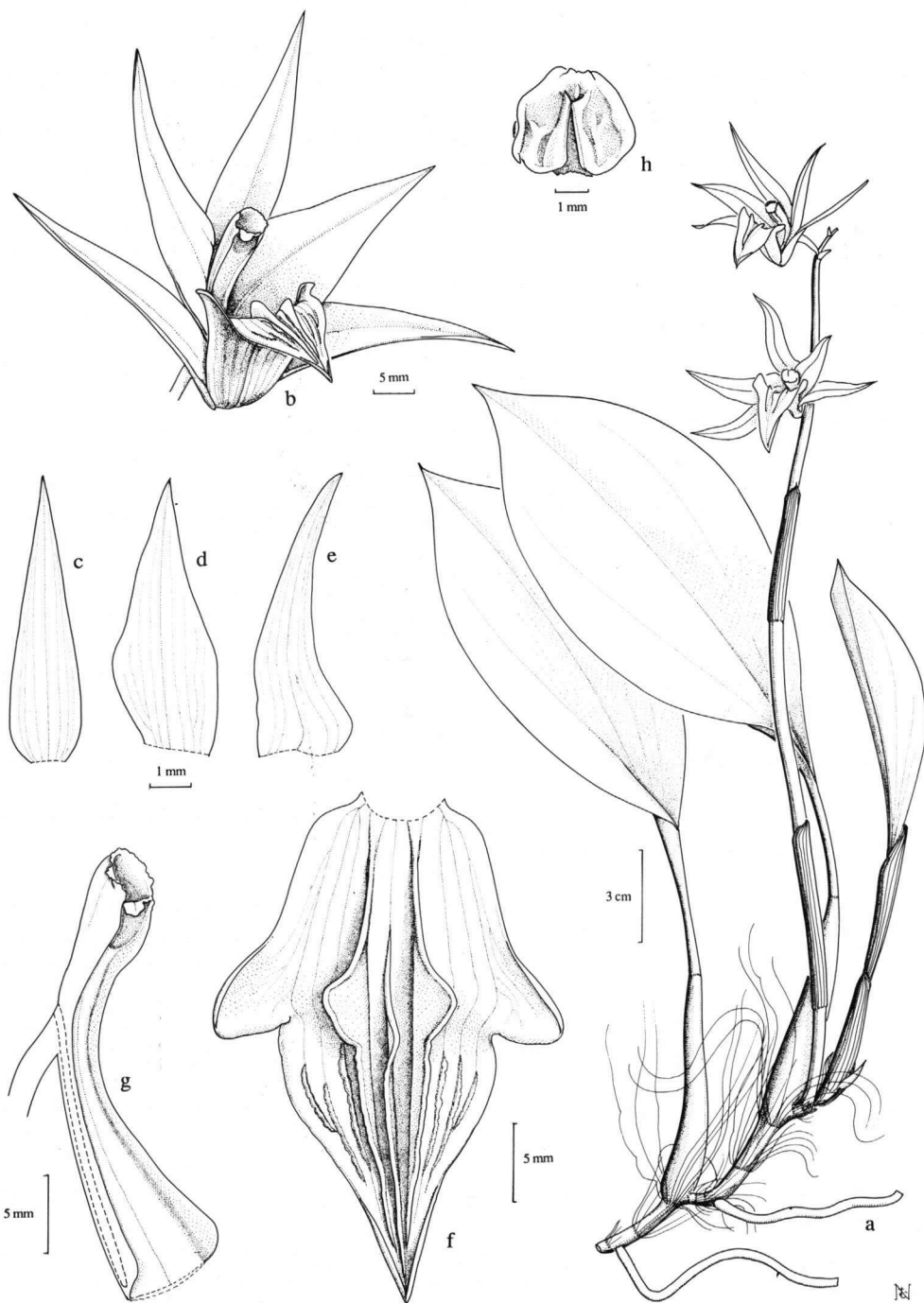


Fig. 46.

Hook. f.



Fig. 47.

Hook. f.



Fig. 48.

Hook. f.

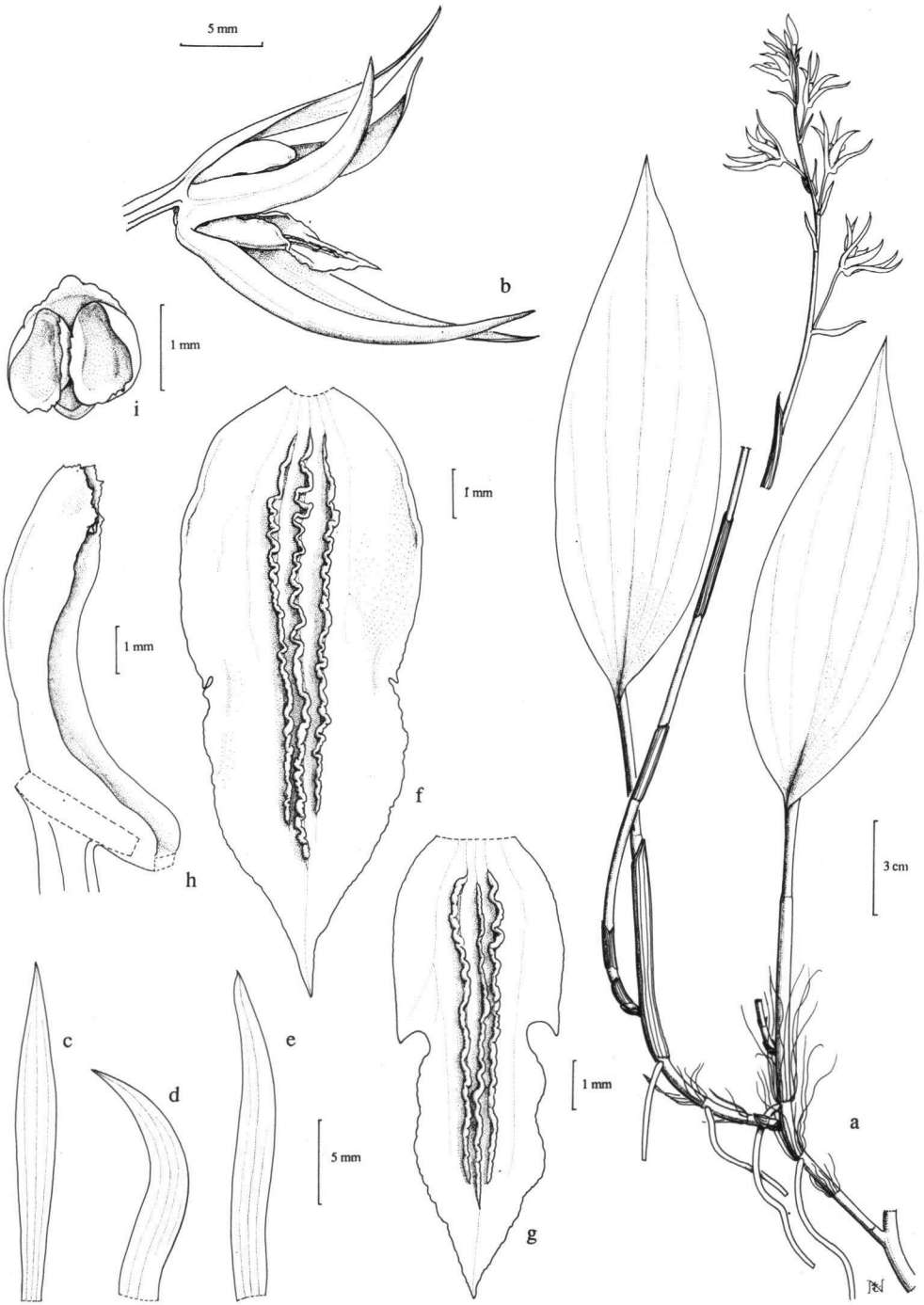


Fig. 49.

H. Turner

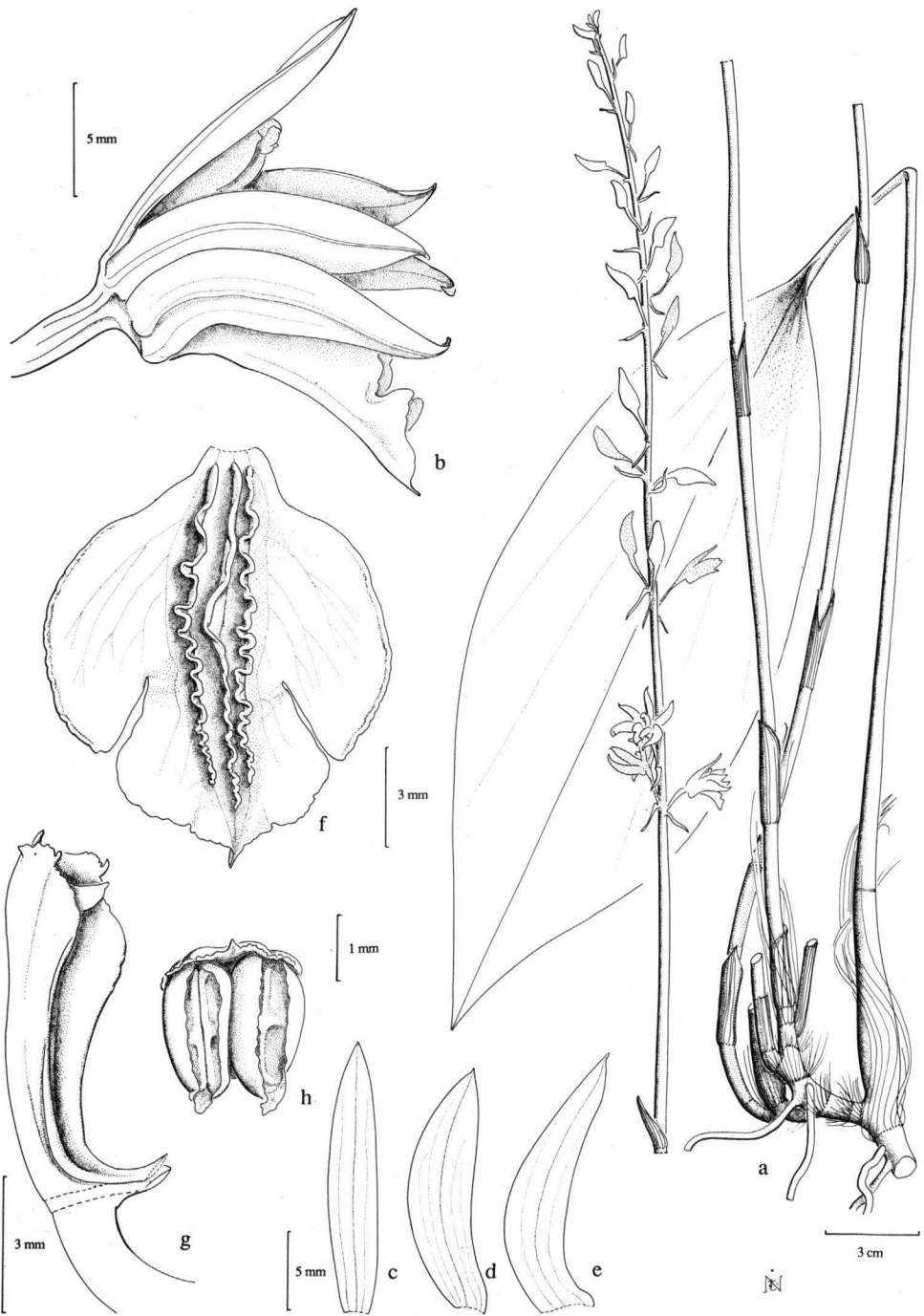


Fig. 50.

(Breda) J.J. Smith

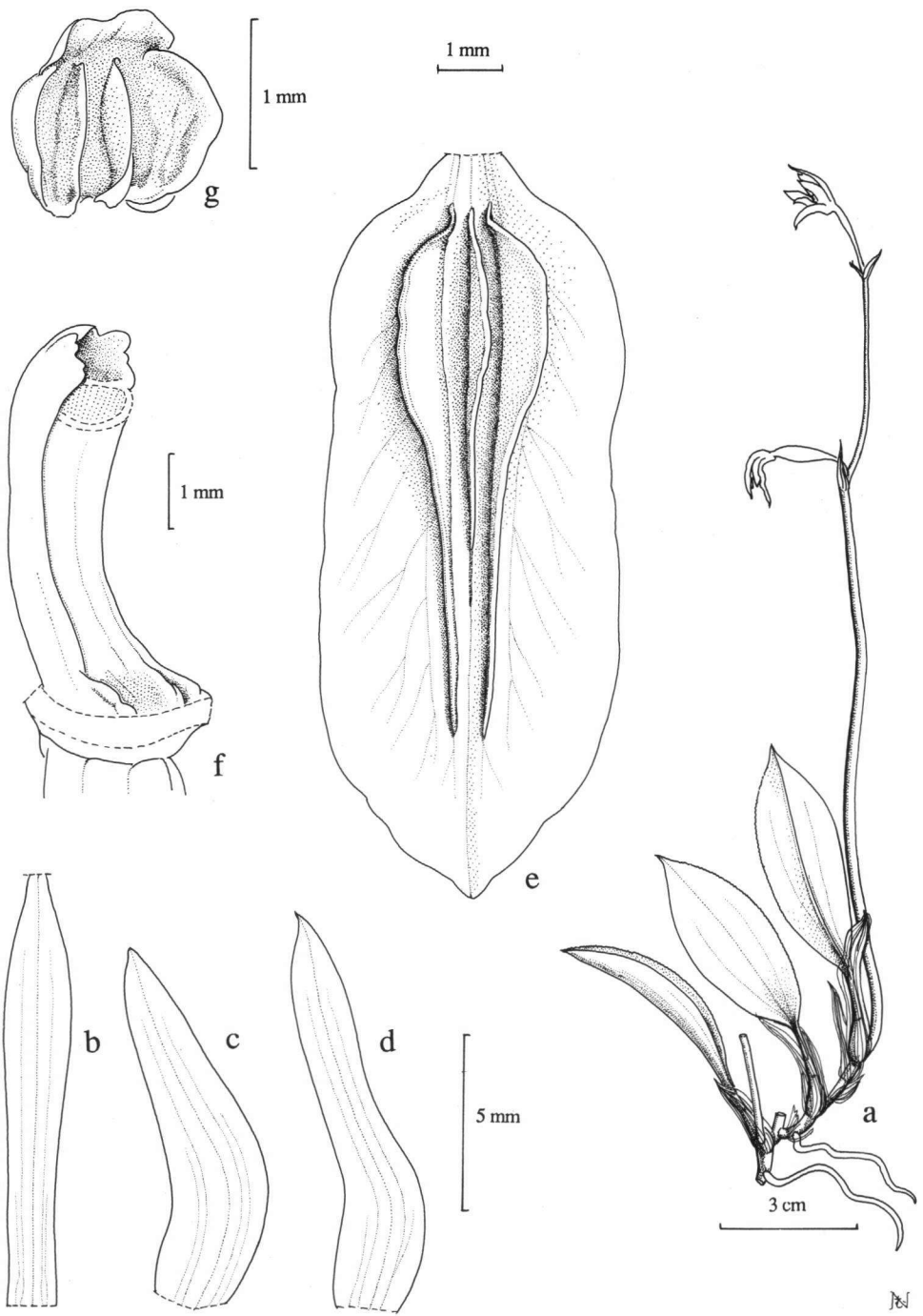


Fig. 51.

Carr

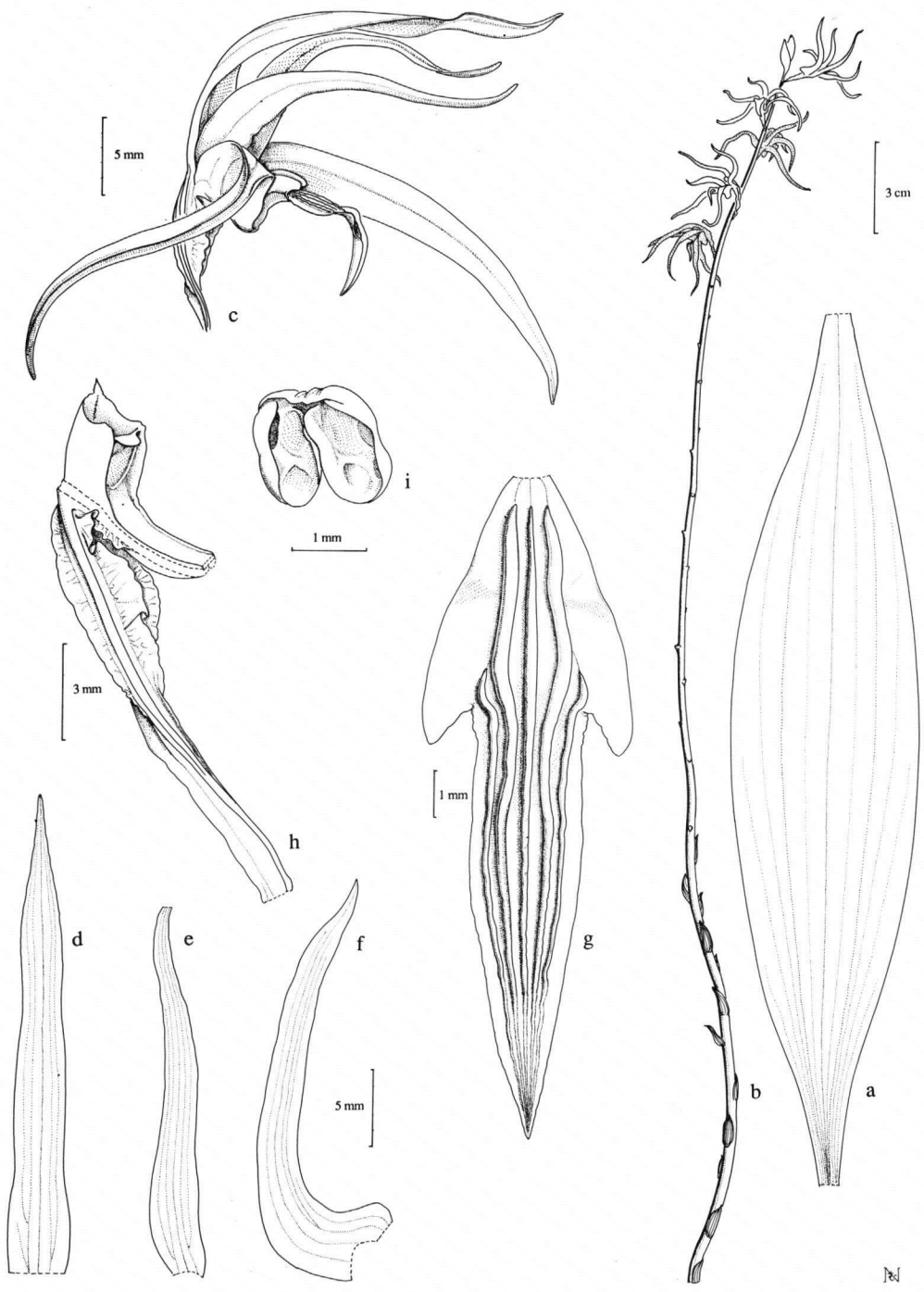


Fig. 52.

Fraser

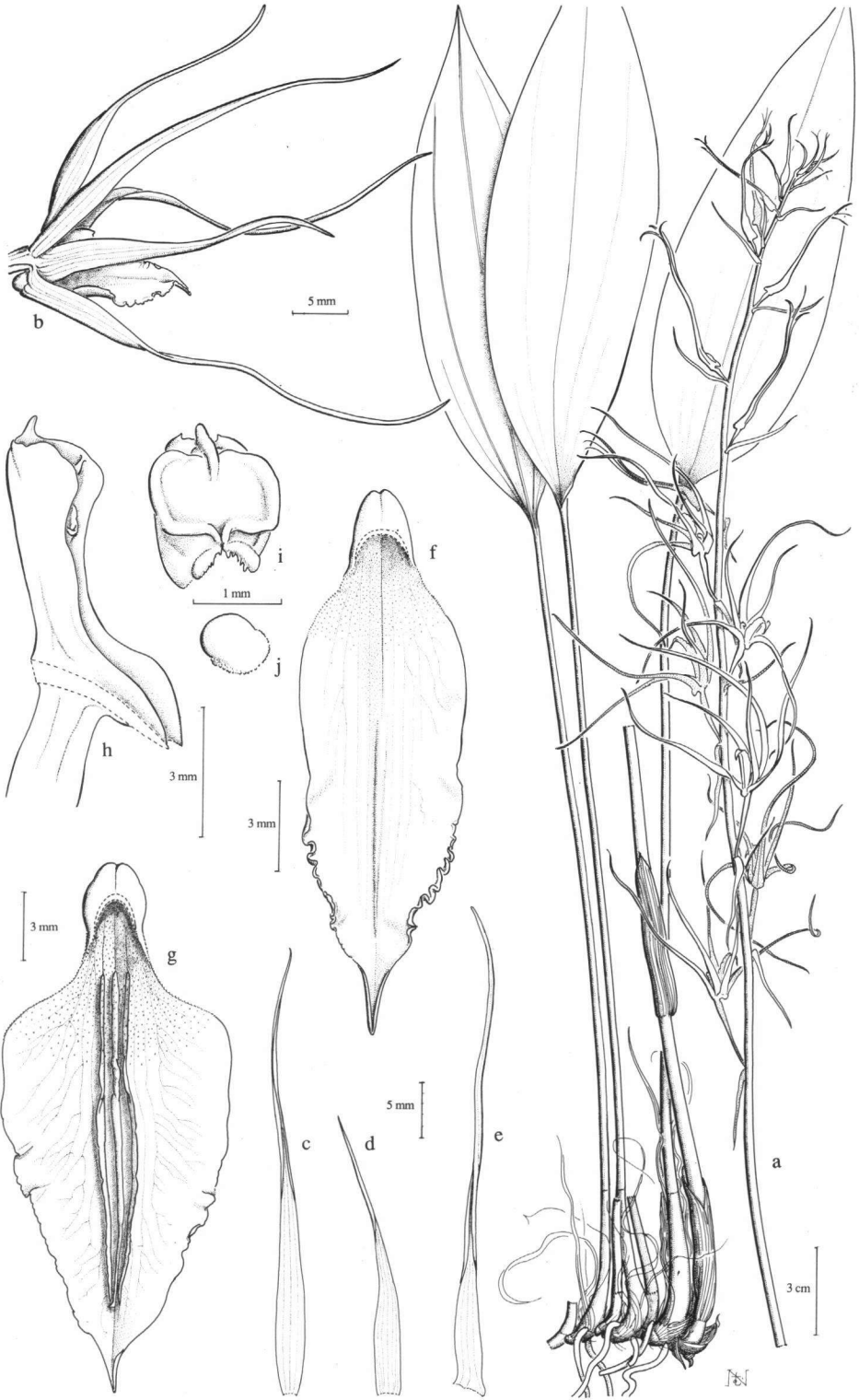


Fig. 53.

Blume



Fig. 54. (Blume) Reichb. f.

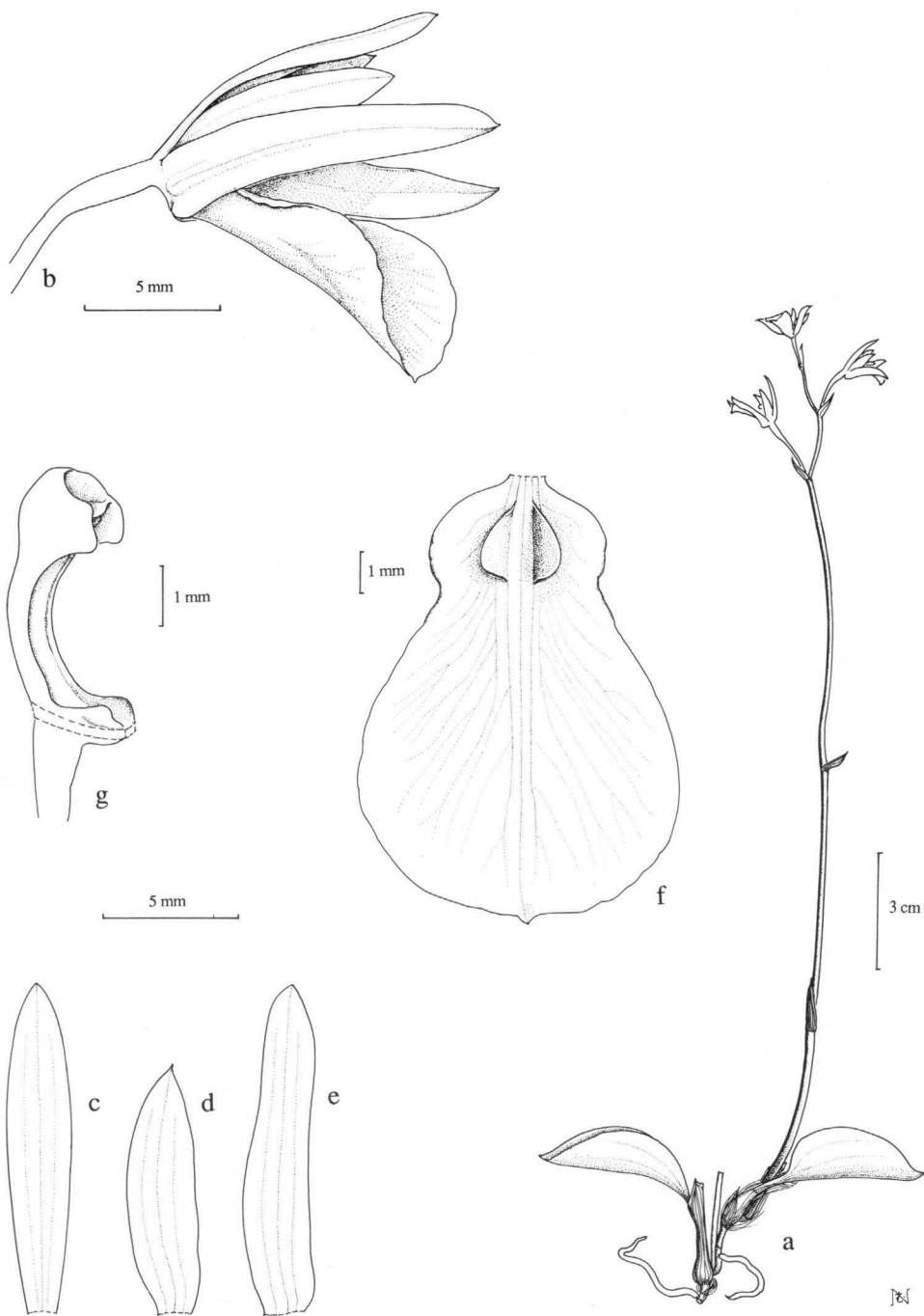


Fig. 55.

Ridley

INDEX

The numbers refer to page numbers; bold numbers refer to the main treatment; numbers with an asterisk refer to the pages with line drawings; 'Pl.' with number refers to the colour plates. **Bold names** are new taxa, *italics* are used for synonyms.

Acanthephippium unguiculatum (Hayata)
Fukuyama 98

Ania Lindley 43, 46–48, 49

angulata (Reichb. f.) Benth. ex Kränzlin in
Engl. 94

angustifolia auct. 51, 54

angustifolia Lindley 46, 49, 50, 51, 62, 92,
103, 130*

bicornis Lindley 75

borneensis (Rolfe) Senghas 50, 52, 56, 58, 95,
103, 131*, Pl. 5b

elata (Schltr.) S.Y. Hu 60, 62

elmeri (Ames) A. Hawkes ex Senghas 50, 53,
103, 132*

hennisiana (Schltr.) Senghas 62

hongkongensis (Rolfe) Tang & Wang 51, 50,
54, 104, 133*

hookeriana (King & Pantl.) Tang & Wang ex
Summerh. 56, 57

latifolia Lindley 46, 79

latifolia Wight 76, 79

maculata Thwaites 62, 97

malayana (J.J. Smith) Senghas 52
penangiana (Hook. f.) Summerh. 49, 50, 55,
57, 58, 62, 86, 104, 134*, Pl. 5c

ponggolensis A. Lamb in H. Turner 50, 58,
104, 135*, Pl. 5d

promensis (Lindley) Senghas 93

ruybarrettoi S.Y. Hu & Barretto 50, 59, 62,
104, 136*, Pl. 6a

viridifusca (Hook.) Tang & Wang ex
Summerh. 50, 58, 60, 104, 137*

Ascotainia Ridley 43, 46, 47, 49

angustifolia (Lindley) Schltr. 51

borneensis Rolfe 52

elata Schltr. 60

elmeri (Ames) Ames 53

fuerstenbergiana (Schltr.) Schltr. 60

hennisiana Schltr. 62

hongkongensis (Rolfe) Schltr. 54

hookeriana (King & Pantl.) Ridley 56

laxiflora (Makino) C. Darl. & Wylie 81

penangiana (Hook. f.) Ridley 55

promensis (Lindley) Schltr. 93

siamensis Rolfe ex Downie 56, 57

suepensis Rolfe ex Downie 51

viridifusca (Hook.) Schltr. 60

Calanthe eberhardtii Gagnepain 60

laxiflora Makino 81

viridifusca Hook. 60

Chelonanthera convallariifolia Blume 30

Chrysoglossella Hatusima 48, 63

japonica Hatusima 63

Chrysoglossellae 48

Chrysoglossum 43

ornatum Blume 97

Coelogyne Lindl.

sect. *Flaccidae* 1, 36

sect. *Rigidiformes* Carr 42

sect. *Tomentosae* Pfitzer 1, 2, 6

sect. *Venustae* Pfitzer 1, 4

sect. *Verrucosae* 1, 2

acutilabium de Vogel 5, 7, 11, 101, 106*

asperata 1, 6

bruneiensis de Vogel 3, 10, 11, 101, 107*,

Pl. 1a

× *brymeriana* 6

buennemeyeri J.J. Smith 9, 12, 101, 108*

convallariifolia (Blume) Zörnig 30

cristata lemoniana 6

cymbidioides auct. 37, 38

dayana Reichb. f. 6, 9, 13, 40, 102, 109*,
Pl. 1b

var. *massangeana* (Reichb. f.) Ridley 36

densiflora Ridley 36, 38

distans J.J. Smith 3, 7, 15, 102, 110*

echinolabium de Vogel 8, 16, 17, 102,
111*

flaccida 1

hirtella J.J. Smith 9, 17, 102, 112*, Pl. 1c

× *intermedia* 6

judithiae Taylor 9, 18, 102, 113*, Pl. 1d

kaliana Cribb 9, 19, 102, 114*, Pl. 2a

latiloba de Vogel 8, 20, 102, 115*

longibulbosa Ames & C. Schweinf. 7, 21,
102, 116*

macrobulbon Hook. f. 30

massangeana Reichb. f. 36, 38, 40

moultonii J.J. Smith 6, 22, 102, 117*, Pl. 2b

odoardi Schltr. 10, 24, 102, 118*

palawanensis Ames 41, 42

papillosa 1

pholidotoides J.J. Smith 7, 25, 102, 119*,
Pl. 2c

(Coelogyne)

- plantaginea* Lindley 30
pulverula auct. 28
pulverula Teijsm. & Binnend. 13
quadrangularis Ridley 33
radioferens Ames & C. Schweinf. 6, 8, 26,
102, 120*, Pl. 2d
radioferens auct. 17
radiosa J.J. Smith 17
reflexa J.J. Wood & C.L. Chan 5, 7, 27, 103,
121*, Pl. 3a
rhabdlobulbon Schltr. 9, 17, 28, 103, 122*,
Pl. 3b
rochussenii de Vriese 3, 6, 10, 29, 103, 123*,
Pl. 3c
var. *convallariifolia* (Blume) Pfitzer &
Kränzlin 30
var. *plantaginea* (Lindley) Pfitzer & Kränzlin
30
rupicola Carr 8, 32, 103, 124*, Pl. 3d
steffensii Schltr. 30, 31
stellaris Reichb. f. 30
sumatrana J.J. Smith 35
swaniana Rolfe 10, 33, 42, 103, 125*, Pl. 4a
testacea Lindley 1, 10, 35, 36, 103, 126*,
Pl. 4b
tomentosa Lindley 1, 6, 8, 9, 36, 38, 40, 103,
127*, Pl. 4c
var. *cymbidioides* (Ridley) Ridley 37
var. *massangeana* (Reichb. f.) Ridley 36
var. *penangensis* Hook. f. 38
tomentosa auct. 39
trinervis 36
veitchii Rolfe 1, 42
velutina de Vogel 10, 38, 40, 103, 128*,
Pl. 4d
venusta Rolfe 1, 5, 7, 40, 41, 103, 129*,
Pl. 5a
Collabium 43, 48
chinense (Rolfe) Tang & Wang 94, 95
delavayi (Gagnepain) Seidenf. 96
formosanum Hayata 95
papuanum (Schltr.) Schltr. 69, 97
Cymbidium sp. 79
Cytheris cordifolia Lindley 95
Dendrobium paucifolium (Breda) Reinw. ex Blume
86
Diglyphosa 43, 48
evrardii (Gagnepain) Tang & Wang 96
Eria angulata Reichb. f. 94
ania Reichb. f. 79
bicornis (Lindley) Reichb. f. 75
bigibba Reichb. f. 94

(Eria)

- hologlossa* Parish & Reichb. f. 79
paucifolia (Breda) Reichb. f. 86
rugosa Lindley 97
speciosa (Blume) Reichb. f. 89
wightii (Blume) Reichb. f. 76
Eriodes barbata (Lindley) Rolfe 94
Eulophia evrardii Guillaumin 51
hastata Lindley 79
ovalifolia Ames & C. Schweinf. in Ames 97
promensis Lindley 93
Hancockia Rolfe in Forbes & Hemsley 43, 48, 63
japonica (Hatusima) F. Maek. 63, 64
uniflora Rolfe in Forbes & Hemsley 63, 104,
138*
Ipsa? wrayana Hook. f. 71
Kittigorchis shimadai (Hayata) F. Maek. 77
Mischobulbum Schltr. 43, 44, 47, 48, 64
cordifolium (Hook. f.) Schltr. 65, 104, 139*,
Pl. 6b
crassum H. Turner 65, 66, 104, 140*
emeiensis Lang 73
grandiflorum Rolfe 69, 72
grandiflorum (Hook. f.) Schltr. 72
lancifolium Rolfe 69
lancilabium Schltr. 69
longiscapum Seidenf. in H. Turner 65, 67,
104, 141*
macranthum (Hook. f.) Rolfe 82
marmoratum (J.J. Smith) H. Turner 65, 68,
104, 142*
megalanthum Tang & Wang 65, 69, 72, 104,
143*
papuanum (J.J. Smith) Schltr. 65, 68, 69,
104, 144*
scapigerum (Hook. f.) Schltr. 64, 65, 71, 104,
145*
simondii (Gagnepain) Seidenf. ex Averyanov 66
wrayanum (Hook. f.) Rolfe 65, 69, 71, 104,
146*
Mitopetalum Blume 46, 47, 73
angustifolium (Lindley) Blume 51
bicorne (Lindley) Blume 75
fimbriatum (Teijsm. & Binnend.) Miq. 86
latifolium (Lindley) Blume 79
parviflorum Blume 90
plicatum Blume 46, 86
rubescens Blume 86
speciosum (Blume) Blume 89
trinerve Blume 46, 90, 91
wightii Blume 76
Nephelaphyllum 43, 46, 48
beccarii Schltr. 94

(Nephelaphyllum)

- borneense* Schltr. 95
chinense Rolfe 95
cordifolium (Lindley) Blume 66, 95
cristatum Rolfe 95
evrardii (Guillaumin) Tang
& Wang 51
flabellatum Ames & C. Schweinf. 96
gracile Schltr. 96
grandiflorum auct. 69, 72
grandiflorum Hook. f. 69, 72
latilabre Ridley 96
mindorensis Ames 97
papuanum Schltr. 97
pulchrum Blume 52, 95, 96, 97
scapigerum Hook. f. 71
simondii Gagnepain 66
tenuiflorum Blume 98
trapoides J.J. Smith 96
Octomeria paucifolia Breda 86
Orchidaceae subfam. Monandreae 43
series *Acranthae* 44
series *Pleuranthae* 44
tribe *Arethuseae* 43
subtribe *Bletiinae* 43, 44, 47
subtribe *Collabiinae* 43, 47, 48
subtribe *Phajinae* 43, 44
tribe *Epidendreae* 43, 48
Oreorchis laxiflora Ito ex Makino 81
Pachystoma angustifolium (Lindley) Reichb. f. 51
Pleione
dayana (Reichb. f.) Kuntze 13
macrobulbon (Hook. f.) Kuntze 30
massangeana (Reichb. f.) Kuntze 36
plantaginea (Lindley) Kuntze 30
rochussenii (de Vriese) Kuntze 30
testacea (Lindley) Kuntze 35
tomentosa (Lindley) Kuntze 36
Plocoglottis sect. *Plocoglottis* 95
Taenia fauriei Schltr. 66
Tainia Blume 43, 44, 46–49, 73
sect. *Ascotainia* (Ridley) J.J. Smith 47
sect. *Chromatophyllum* Carr 47
sect. *Eutainia* J.J. Smith 47
sect. *Mischobulbum* J.J. Smith 47, 64
sect. *Mitopetalum* (Blume) J.J. Smith 47
angulata (Reichb. f.) Benth. ex Kränzlin
in Engl. 94
angustifolia (Lindley) Benth. & Hook. f. 51
angustifolia Gagnepain 92
atropurpurea Ridley 72
balansae Gagnepain 94
barbata Lindley 94

(*Tainia*)

- beccarii* (Schltr.) Gagnepain 94
bicornis (Lindley) Reichb. f. 74, 75, 76, 79,
105, 147*
bicornis Seidenf. & Smitin. 75, 79
bigibba (Reichb. f.) Benth. ex Kränzlin
in Engl. 94
borneensis (Schltr.) Gagnepain 52, 53, 95
borneensis Ridley 52, 94
chapaensis Gagnepain 95
chinensis (Rolfe) Gagnepain 95
cordata Hook. f. 79
cordifolia (Lindley) Gagnepain 66, 95
cordifolia Hook. f. 65, 66, 79
cristata (Rolfe) Gagnepain 95
delavayi Gagnepain 96
dunnii Rolfe 74, 77, 93, 96, 105, 148*
elata (Schltr.) P. Hunt 60
elliptica Fukuyama 93
elmeri Ames 53
elongata J.J. Smith 80
evrardii Gagnepain 96
fauriei Schltr. 66
fimbriata Teijsm. & Binnend. 86
flabellata (Ames & C. Schweinf.) Gagnepain
96
flabellilobata Tso 93
fuerstenbergiana Schltr. 60, 62
gokanzanensis Masam. in Humbert 93
gracilis (Schltr.) Gagnepain 96
gracilis Tso 77, 78, 96
grandiflora (Hook. f.) Gagnepain 72
hastata (Lindley) Hook. f. 79, 93
hennisiana (Schltr.) P. Hunt 62, 93
hologlossa (Parish & Reichb. f.) Hook. f. 79
hongkongensis Rolfe 54
hookeriana King & Pantl. 56
inamoena Kränzlin 53
keentinenensis Chow Cheng 96
khasiana Hook. f. 79, 80
lancilabium (Schltr.) J.J. Smith 69
latifolia (Lindley) Reichb. f. 75, 78, 79
subsp. *elongata* (J.J. Smith) H. Turner
79, 80, 105, 149*, Pl. 6c
subsp. *latifolia* 66, 75, 79, 93
latilabra (Ridley) Gagnepain 96
latilingua Hook. f. 86
latilingua Seidenf. & Smitin. 56, 86
laxiflora (Ito ex Makino) Makino 46, 74, 81,
93, 105, 150*, Pl. 6d
var. *piyananensis* (Fukuyama) Masam. 81
var. *shimadai* (Hayata) Miroe 77
longipetiolata Seidenf. ex Averyanov 79

(*Tainia*)

- macrantha* Hook. f. 75, 82, 105, 151*
maculata (Thwaites) Hook. f. 62, 97
maingayi Hook. f. 75, 83, 84, 105, 152*,
Pl. 7a
malayana J.J. Smith 52, 53, 58
mindorensis (Ames) Gagnepain 97
minor Hook. f. 74, 84, 105, 153*
obpandurata H. Turner 47, 75, 85, 105,
154*
ovalifolia (Ames & C. Schweinf.) Garay &
Kittredge 97
papuana (Schltr.) Gagnepain 69, 97
papuana J.J. Smith 69
var. *marmorata* J.J. Smith 68
parviflora Schltr. 90
parvifolia Tso 93
paucifolia (Breda) J.J. Smith 44, 52, 53, 75,
86, 105, 155*, Pl. 7b
penangiana Hook. f. 53, 55, 58
penangiana J.J. Smith 52, 56
piyananensis Fukuyama 81
plicata (Blume) Ridley 86
procera Senghas 77
promensis (Lindley) Hook. f. 93

(*Tainia*)

- pulchra* (Blume) Gagnepain 97
purpureifolia Carr 47, 75, 87, 105, 156*,
Pl. 7c
quadriloba Summerh. 77
rolfei P. Hunt 52
scapigera (Hook. f.) J.J. Smith 71
sessilifolia Fraser 74, 88, 105, 157*
shimadai Hayata 77, 78
siamensis (Downie) Seidenf. & Smitin. 56
speciosa Blume 46, 47, 73, 75, 84, 89, 105,
158*, Pl. 7d
steenisi J.J. Smith 52, 53
stellata (Lindley) Pfitzer in Engl. & Prantl 97
sumatrana J.J. Smith 72
sutepensis (Downie) Seidenf. & Smitin. 51
tenera J.J. Smith 80
tenuiflora (Blume) Gagnepain 98
trinervis (Blume) Reichb. f. 75, 90, 105,
159*
unguiculata Hayata 98
vegetissima Ridley 47, 75, 92, 105, 160*
viridifusca (Hook.) Benth. & Hook. f. 60
wrayana (Hook. f.) J.J. Smith 71
wrayana auct. 69, 72

LEGENDS TO THE PLATES
(Species number in parentheses)

Plate 1

- a. *Coelogyne bruneiensis* de Vogel (2). Leiden, cult. Hort. (de Vogel) 27697, from Borneo, Brunei. Photograph B.N. Kieft (collection Rijksherbarium Leiden)
- b. *Coelogyne dayana* Reichb. f. (4). Leiden, cult. Hort. 281, origin not known. Photograph B.N. Kieft (collection Rijksherbarium Leiden)
- c. *Coelogyne hirtella* J. J. Smith (7). Beaman 9465, from Borneo, Sabah. Photograph J.H. Beaman (collection Rijksherbarium Leiden)
- d. *Coelogyne judithiae* Taylor (8). J. Jackman s.n. (1968), from Malay Peninsula, Malaysia. Photograph J. J. Wood (copy in collection Rijksherbarium Leiden)

Plate 2

- a. *Coelogyne kaliana* Cribb (9). Edinburgh, cult. Hort. (Henderson) 671743, from Malay Peninsula, Malaysia. Photograph Edinburgh (copy in collection Rijksherbarium Leiden)
- b. *Coelogyne moultonii* J. J. Smith (12). Kew, Cult. Hort. (Bailes & Cribb 703) 229-83-02820, from Borneo, Sabah. Photograph Kew (copy in collection Rijksherbarium Leiden)
- c. *Coelogyne pholidotoides* J. J. Smith (14). Leiden, cult. Hort. 26848, from Borneo, Brunei. Photograph P. Jongejan (copy in collection Rijksherbarium Leiden)
- d. *Coelogyne radioferens* Ames & C. Schweinf. (15). Jermy s.n. (possibly 14407), from Borneo, Sarawak. Photograph A. C. Jermy (copy in collection Rijksherbarium Leiden)

Plate 3

- a. *Coelogyne reflexa* J. J. Wood & C.L. Chan (16). Kew, cult. Hort., from Borneo, Sabah. Photograph Kew (copy in collection Rijksherbarium Leiden)
- b. *Coelogyne rhabdobulbon* Schltr. (17). Rozendaal s.n., from Borneo, Sabah. Photograph F.G. Rozendaal (copy in collection Rijksherbarium Leiden). The wasp on one of the flowers is *Vespa multimaculata* Perez (pers. comm. C.L. Chan)
- c. *Coelogyne rochussenii* de Vriese (18). Leiden, cult. Hort. 19936, from Indonesia, origin not known. Photograph B.N. Kieft (collection Rijksherbarium)
- d. *Coelogyne rupicola* Carr (19). Collenette s.n., from Borneo, Sabah. Photograph I.S. Collenette (copy in collection Rijksherbarium Leiden)

Plate 4

- a. *Coelogyne swaniana* Rolfe (20). Leiden, cult. Hort. (Chan) 23767, from Borneo, Sabah. Photograph B.N. Kieft (collection Rijksherbarium)
- b. *Coelogyne testacea* Lindley (21). Rosinsky 173, from Malay Peninsula, Malaysia. Photograph M. Rosinsky (collection Rijksherbarium)
- c. *Coelogyne tomentosa* Lindley (22). Leiden, cult. Hort. 27056, origin not known, probably from Malay Peninsula, Malaysia. Photograph B.N. Kieft (collection Rijksherbarium)
- d. *Coelogyne velutina* de Vogel (23). Leiden, cult. Hort. 25835, from Malay Peninsula, Malaysia. Photograph B.N. Kieft (collection Rijksherbarium)

(Legends to the Plates continued)

Plate 5

- a. *Coelogyne venusta* (24). Leiden, cult. Hort. 22769, from Borneo, origin not known. Photograph B.N. Kieft (collection Rijksherbarium)
- b. *Ania borneensis* (Rolfe) Senghas (2). Lamb 275/84, from Borneo, Sabah. Photograph A. Lamb (copy in collection Rijksherbarium Leiden)
- c. *Ania penangiana* (Hook. f.) Summerh. (5). Cultivated by J. Hermans, Enfield, England, origin not known. Photograph John Cooke (copy in collection Rijksherbarium Leiden)
- d. *Ania ponggolensis* A. Lamb in H. Turner (6). Lamb s.n., from Borneo, Sabah. Photograph A. Lamb (copy in collection Rijksherbarium Leiden)

Plate 6

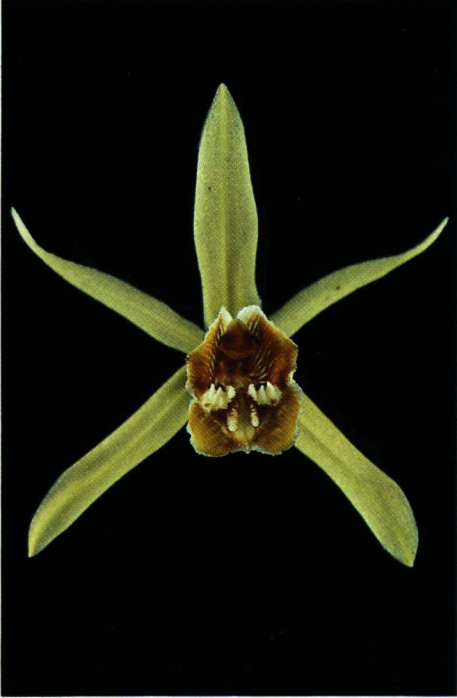
- a. *Ania ruybarrettoi* S.Y. Hu & Barretto (7). Barretto 311, from Hong Kong. Photograph R. Barretto (copy in collection Rijksherbarium Leiden)
- b. *Mischobulbum cordifolium* (Hook. f.) Schltr. (1). Cultivated by J. Hermans, Enfield, England, nr. 1630, origin not known. Photograph J. Hermans (copy in collection Rijksherbarium Leiden)
- c. *Tainia latifolia* (Lindley) Reichb. f. subsp. *elongata* (J.J. Smith) H. Turner (3b). Comber s.n., from Java, Indonesia. Photograph J.B. Comber (copy in collection Rijksherbarium Leiden)
- d. *Tainia laxiflora* (Ito ex Makino) Makino (4). Cultivated by J. Hermans, Enfield, England, origin not known. Photograph John Cooke (copy in collection Rijksherbarium Leiden)

Plate 7

- a. *Tainia maingayi* Hook. f. (6). J.J. Vermeulen & Duistermaat 911, from Borneo, Sabah. Photograph J.J. Vermeulen (copy in collection Rijksherbarium Leiden)
- b. *Tainia paucifolia* (Breda) J.J. Smith (9). Bogor, cult. Hort., from Sumatra, Indonesia. Photograph J.B. Comber (copy in collection Rijksherbarium Leiden)
- c. *Tainia purpureifolia* Carr (10). Lamb 1205/90, from Borneo, Sabah. Photograph A. Lamb (copy in collection Rijksherbarium Leiden)
- d. *Tainia speciosa* Blume (12).H. Lamb 1343/91, from Borneo, Sabah. Photograph A. Lamb. (copy in collection Rijksherbarium Leiden)



a. *de Vogel (2)*



b. *Reichb. f. (4)*



c. *J.J. Smith (7)*



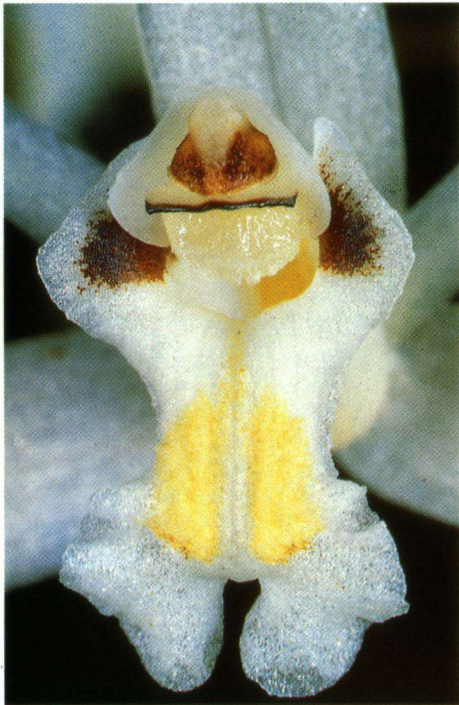
d. *Taylor (8)*



a. Cribb (9)



b. J.J. Smith (12)



c. J.J. Smith (14)



d. Ames & Schweinf. (15)



a. Wood & Chan (16)



b. Schltr. (17)



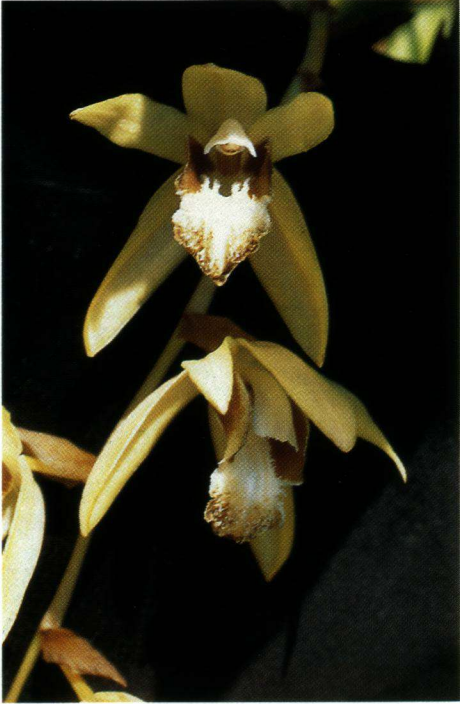
c. de Vriese (18)



d. Carr (19)



a. Rolfe (20)



b. Lindley (21)



c. Lindley (22)



d. de Vogel (23)



a. Rolfe (24)



b. (Rolfe) Senghas (2)



c. (Hook. f.) Summerh. (5)



d. A. Lamb in H. Turner (6)



a. S. Y. Hu & Barretto (7)



b. (Hk.f.) Schltr. (1)



c. H. Turner (3b)



d. Makino (4)



a. Hook. f. (6)



b. (Breda) J. J. Smith (9)



c. Carr (10)



d. Blume (12)