

t. 173. 1908.— *C. latifolius* Kurz (not of Roxb.) in Journ. As.Soc. Beng. **43**(2): 210. t. 21A. 1874 et For. Fl. Brit. Burma **2**:518 1877 (partly).

云南 (Yunnan): 勐腊 (Mengla), 陈三阳 18866, (云南热带植物所栽培, 引自勐腊)。

我国分布新记录; 缅甸丹老, 印度安达曼与尼科巴群岛有分布。

12. 长穗省藤 新变种

Calamus palustris Griff. var. ***longistachys*** S. J. Pei et S. Y. Chen, var. nov.

A typo imprimis recedit inflorescentia mascula c. 1.5 plo longiore, inflorescentia partiali longiore.

Yunnan (云南): Mengla (勐腊), YNTBI cult. introd. from Mengla (云南热带植物所栽培, 引自勐腊), 1979. 10. 3., S. Y. Chen (陈三阳) 18865 (♂ fl. Typus, YNTBI).

13. 滇越省藤 新拟

Calamus palustris Griff. var. ***cochinchinensis*** Becc. in Rec. Bot. Surv. Ind. **2**:211. 1902 et in Ann. Roy. Bot. Gard. Calc. **11**(1): 405. t. 175. 1908; Conrard in Lecomte, Fl. Gen. Indo-chine **6**:1036. 1937. — *C. latifolius* auct. non Roxb.: Wei in Guihaia **6**:36. 1986. (杨增宏 12001).

云南 (Yunnan): 勐腊 (Mengla) 尚勇 (Shangyong), 杨增宏 12001; 麻栗坡 (Malipo) 老居山保护区, 陈三阳, 童绍全 18974。

我国分布新记录; 柬埔寨, 越南有分布。

标本杨增宏 12001 与 *C. latifolius* Roxb. 不同之处在于: 雌花序显然较长, 下部的分枝花序也较长, 小穗较多, 总苞托(与原种相似)半伸出于各自的小佛焰苞(后者则被包进小佛焰苞内), 总苞稍超出总苞托(后者套入总苞托内), 故应归入本变种。

14. 大藤 新种 图 2

Calamus wailong* S. J. Pei et S. Y. Chen, sp. nov.—*C. platyacanthus* auct. non Warb. ex Becc.: Wei in Guihaia **6**: 36. 1986. (杨增宏 12405).

Species *C. palustris* Griff. affinis, imprimis var. *amplissimum* Becc. similis, sed spinis vaginae subtiliter longioribus; inflorescentia feminea robustiore et longiore; inflorescentiis partialibus et spiculis longioribus et pluribus; afuamis fsuctus 19—21-seriatis; segmentis saepe solitariis vel raro prope 2 aggregatis. *C. platyacantho* Warb. ex Becc. spina et forma vaginata imprimis similis, sed qui inflorescentia feminea brevior, frondis segmentis 2—4 aggregatis; perianthio fructifero conspicue pedicellato; fructo leviter magiore differt.

Caulis scandens, robustus; caulis cum vagina 4 cm diam., exvaginatus c. 2 cm diam. Frondes magnae, partibus segmentatis 1.5—2.5 m longis, apice cirrhaetae 1.5—2.5 m longae; rhachis supra et juxta marginem dilute densa breviter stricto-spinosa, subtus in utroque margine sparsim stricto-unguiculato-spinosa, secus medium unguibus solitariis vel 2—3 aggregatis ornata, apice cirrho semiverticillatim unguilatiformi producta; segmenta magna inaequaliter distantia disposita, lanceolata, 50—55 cm longa, 5—7 cm lata, versus basi angustata, apice acumine setiforme ornata,

* “wailong” 为傣语 (Dai language) 大藤 (big rattan) 之意。

5—7-nerve, non spinosa, margine spinulis densis dilute affixa; petiolus circumscriptione spinosus; vaginae gibbae spinis solitariis vel connatis, c. 5 cm longis, reflexis, inter spinas spinulis horizontalibus vel leviter ascenderter praeditae; ochrea brevissima. Inflorescentia mascula et feminea heterogenea, inflorescentia mascula ter ramificans, ultra 3 m longa; feminea brevior, bis ramificans, c. 1.5 m longa; spatha primaria longe tubularis vel cylindrica valide unguiculato-spinosa, apice putidolaciniata; spatha secundaria tubularis; spatha tertiaria breviter tubulari-infundibuliformis spinis unguiliformibus pauca ornata; spathilla mascula in prope bracteatoformem; involucrum semicupulatum intra spathillam 1/2 inclusum; flos masculus ovatus, 4 mm longus, calyce in dentes vadosos 3 divisus, corolla fere calyce 2 plo longiore; spathilla feminea asymmetrica infundibuliformis; involucrophorum vadose cupulate extra orem spathillaceam 1/2 productum, basi callosum; involucrum intra involucrophorum immersum, vadose cupulatum; areola floris sterilis lunata; flores femineae (non apertae), 3 mm longae, ovatae, calyce vadose lobato vel ad medio in dentes late trigonos apice obtusos dividens; perianthium fructu dilute pedicellatum. Fructus ovoidio-ellipsoideus vel ellipsoideus, omnino 17 mm longus, 11 mm diam., squamis longitudinaliter 19—21-seriatis, medio vadose canaliculatis, stramineis, dilute rubirunneis intramarginaliter lineatis, prope apice gradatim latis, scariosis, subtiliter erosis ornatus; semina ovoidea 10—11 mm longa, 7—8 mm lata, leviter ruminatis; embryoes basilares.

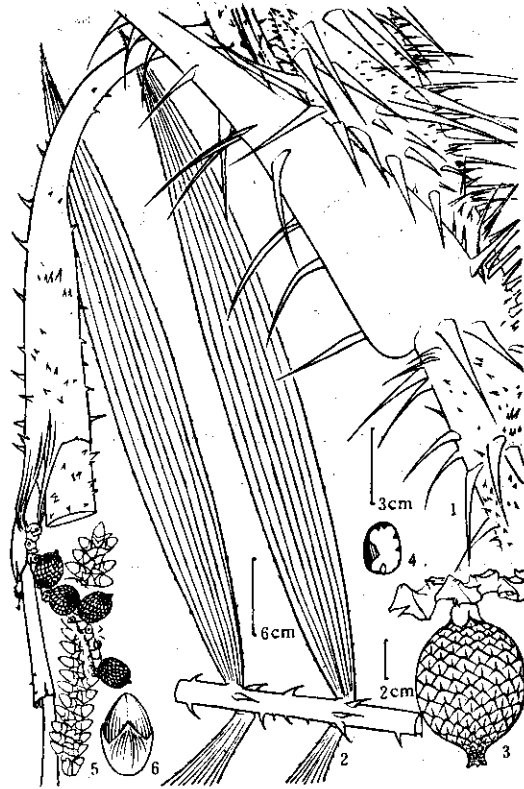


图2 大藤 1.叶鞘及雌花序的基部(带小果穗); 2.叶片一段; 3.果实(带果穗轴); 4.种子纵剖面; 5.雄花小穗; 6.雄花。(刘怡涛)

Fig. 2 *Calamus wailong* 1. leaf-sheath and lower portion of female inflorescence with a spikelet; 2. portion of a leaf; 3. a fruit with axis of spikelet; 4. seed in longitudinal section; 5. a male spikelet; 6. male flower.

Yunnan (云南): Mengla (勐腊), Yaoqu (瑶区), alt. 600—800m, 1974. 11. 20, Z. H. Yang (杨增宏) 12405 (typus, YNTBI); Xiangming (象明), alt. 840—950m, S. Q. Tong et A. M. Li (童绍全, 李安明) 24898 (♀ fl.), et 24893 (♂ fl.); Mengla (勐腊) S. Y. Chen (陈三阳) 18868.

茎攀援, 粗壮, 带叶鞘茎粗 4cm, 裸茎粗约 2cm。叶大, 羽片部分长达 1.5—2.5m, 顶端纤鞭长 1.5—2.5m; 叶轴上面及近边缘处有稍密的短直刺, 下面两侧边缘具稀疏的直刺或爪状刺, 沿中央具单生或 2—3 个聚生的爪, 顶端延伸为具半轮生的爪的纤鞭; 羽片大, 不等距排列, 披针形, 长 50—55cm, 宽 5—7cm, 向基部变狭, 顶端具刚毛状尖, 具 5—7 条肋脉, 无刺, 边缘具紧贴稍密的微刺; 叶柄周围具刺; 叶鞘具囊状凸起, 具单生或合生的长约 5cm 下弯的刺, 间有水平或微向上的小刺; 托叶鞘很短。雌雄花序异型, 雄花序具三回分枝, 长约 1.5m; 一级佛焰苞长管状至近圆筒形, 具粗状的爪刺, 顶端干枯撕裂; 二级佛焰苞管状; 三级佛焰苞短管状漏斗形, 具几个爪刺; 雄小佛焰苞近苞片状, 总苞半杯状, 半包在小佛焰苞内; 雄花卵形, 长 4mm, 花萼浅 3 齿裂, 花冠几为花萼长的 2 倍; 雌小佛焰苞为不对称漏斗形; 总苞托浅杯状, 伸出于小佛焰苞一半, 基部具胼胝体; 总苞浅杯状, 套在总苞托内; 中性花的小窠新月形; 雌花(未开放)长 3mm, 卵形, 花萼浅裂或裂至中部, 成 3 个宽三角形钝齿。果被稍梗状; 果实卵状椭圆形至椭圆形, 全长约 17mm, 直径 11mm, 鳞片 19—21 纵列, 中央有浅沟槽, 草黄色, 有淡红褐色的内缘线, 近顶端处变宽, 干膜质, 细啮蚀状; 种子卵形, 长 10—11mm, 宽 7—8mm, 稍扁, 背面有瘤突和深洼穴, 胚乳稍嚼烂状, 胚基生。

本种与 *C. palustris* Griff. 特别是与其变种 *var. amplissimus* Becc. 相似, 但叶鞘上的刺较细长; 雌花序粗壮而长, 分枝花序及小穗均更长且数量更多; 果实鳞片 19—21 列, 羽片通常单生或偶有 2 片近生成组排列; 它与 *C. platyacanthus* Warb. ex Becc. 相似, 特别是叶鞘上的刺及形状相似, 但后者雌花序较短, 羽片 2—4 片成组着生, 果被明显梗状, 果实稍大。

15. 上思省藤 新变种

Calamus distichus Ridl. *var. shangsiensis* S. J. Pei et S. Y. Chen, *var. nov.*
— *C. melanoloma* auct. non Mart.: Wei in *Guihaia* 6:36. 1986. (W. T. Tsang 24174).

A typo imprimis recedit ramis inflorescentiae masculae brevioribus et dilute densioribus, spiculis pluribus et brevioribus.

本变种与原种的主要区别在于: 雄花序的分枝较短而稍密集, 小穗稍多而短。

W. T. Tsang 24174 号标本与 *C. melanoloma* Mart. 不同之处在于: 果实鳞片无暗色边缘线, 胚侧生而与后者鳞片有暗色边缘线、胚基生而明显不同, 故应为新变种。

Guangxi (广西): Shangsi (上思), 十万大山, 1934. 9. 1, W. T. Tsang 24174 (fr. typus, SCBI), J. J. Wang (王鉴钧) 4868 (♂ fl.)。

16. 盈江省藤 新变种

Calamus nambariensis Becc. *var. yingjiangensis* S. J. Pei et S. Y. Chen, *var. nov.*