Supplementary 1:

Specimens examined for *Gardenia duerrii*: India, --Andhra Pradesh state, Kurnool district: Naraparaddi kunta, alt. 250 m, 13.Oct.1987, V. B. Hosagoudar, col. No.86632, BSID-0017018; NSTR, Peecheruvu, 15.963845N, 78.820278E, alt. 533 m, 21.Sep.2014, L. Rasingam & M. Sankara Rao, col. No.5757, BSID-0016542; Peccheruvu (KNL), alt. 576 m, 06.Mar.2007, S. Khadar Basha & B. Sadasivaiah, col. No.29479, BSID-0017017. **Prakasam district**: Nemaligundla Ranga Swamy temple, G.B. WLS, 15.51528333N, 78.86878333E, alt. 303 m, 07.Feb.2016, J. Swamy & L. Rasingam, col. No.7558, BSID-0014379. **Vishakapatnam district**: Anantagiri, 17.31547222N, 77.86963889E, alt. 649 m, 30.Nov.2016, J. Swamy & L. Rasingam, col. No.9212, BSID-0014933. --**Karnataka state, Bidar district**: Vanikere reserve forest, 28.Oct.1979, S. B. Manohar & S. R. Ramesh, col. No.KFP-10119 det. by B.R. Ramesh on 30.Nov.1979 and another det. by K Sankara Rao as *G. resinifera* Roth. --**Maharashtra state, Mumbai district**: Borivali, Kanheri Caves, 14. Feb.1985, B. D. Sharma, col. No. 167436, K001643163 (K).--**Odisha state, Bhubaneswar district**: Bhubaneswar, Ramakrishna mission compound, old town, 29.Jul.1974, M. Brahmam, col. No.1542. --**Telangana state, Karimnagar district**: Akamnagar sivar, 05.Sep.1986, T. Ravi Shankar, col. No. 83675, BSID-0010164; Near Regula gudem, Mahdevpur, alt. 200 m, 13.Feb.1986, N. Rama Rao & T. Ravi Shankar, col. No.83178, BSID-0010163. **Khammam district**: Poochavaram Forest - Edrallappalli Forest, alt. 250 m, 17.Nov.1993, R. Chandrasekaran, col. No.98744, BSID-0017011; Bandi Revu Forest, alt. 200 m, 26.Aug.1995, R. Chandrasekaran, col. No.104295, BSID-0017009; Bandi Revu Forest, alt. 250 m, 22.Nov.1993, R. Chandrasekaran, col. No.98391, BSID-001700; Lakshmipuram Forest, alt. 200 m, 20.Feb.1994, R. Chandrasekaran, col. No.99005, BSID-0017014; On the way to Bhadrachalam, alt. 250 m, 14.Feb.1994, R. Chandrasekaran, col. No.98958, BSID-0017008; Poochavaram Forest, alt. 200 m, 30.Sep.1994, R. Chandrasekaran, col. No.102488,

BSID-0017010. **Mahaboob Nagar district**: Gaaduthalakuruvu, Umamaheswaram, alt. 500 m, 08.Feb.1998, S. R. Srinivasan, col. No.109131, BSID-0017021; Nagarjunsagar-Srisailam Tiger Reserve, Gumitham, 13.Mar.2013, L. Rasingam & M. Sankara Rao, col. No.3122, BSID0016227. **Warangal district**: Lawal beat, Pasra, alt. 300 m, 15.Sep.1996, R. K. Premanath, col. No.108155, BSID-0017022; Thupakula gudem, 14.Feb.1983, P. V. Sreekumar & N. Rama Rao, col. No.76942, BSID-0017023. **India,** no particular location mentioned (lable: Indes Orient), no date of collection, Voyage de V. Jaquemont, col. No.338, P04002085, det. by D.D. Tirvengadum on 30.Jun.1978; **India** (Environs de Pondichéry, no place of collection, Jan.1843, Porrottet, no col. No., P04002086, det. by D.D. Tirvengadum on 30.Jun.1978; **India**, no particular location mentioned (lable: Indes Orient), no date of collection, Voyage de V. Jacquemont, col. No. 683, P04002088, det. by D.D. Tirvengadum on 30.Jun.1978; duplicate of col. No. 683, P04002089, det. by D.D. Tirvengadum on 30.Jun.1978; triplicate of col. No.683, P04002090, det. by D.D. Tirvengadum on 30.Jun.1978.

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Specimens examined for *Gardenia resinifera* Roth (= *G. lucida* Roxb.): India, --Andhra Pradesh state, Anantapuram district: Batrepalle RF, 14.210097N, 78.171790E, alt. 516 m, 28.Apr.2010, K. Raja Kullaiswamy & B. Sadasivaiah, col. No.39099, BSID0017015; Kalasamudram RF, alt. 462 m, 25.Jun.2010, K. Raja Kullaiswamy, B. Sadasivaiah & T. Pullaiah, col. No.39562, BSID0017016. **Chittoor district:** Sri Venkateswara National Park, 13.Aug.2003, J. H. Franklin Benjamin, col. No.116975, BSID0017706; Gunjana North Beat, alt. 270 m, 23.Apr.2004, J. H. Franklin Benjamin, col. No.118205, BSID0017714; Balapalle, East Beat Check dam, 13.81641667N, 79.41511111E, alt. 248.5 m, 14.Mar.2015, M. Sankara Rao, col. No.5825, BSID0015861. **Nellore district:** Penchalakona, 14.Feb.1998, P. Venu, col. No.109939, BSID0017006; BSID0017019; BSID0017020; Penchalakona, 13.Jul.2016,

14.33766667N, 79.40947222E, alt. 183 m, J. Swamy & S. Nagaraju, col. No.8161, BSID0014482. -- **Tamil Nadu state**, **Coimbatore District**: Udumelpet hills, Amaravathi clam, path along jungles behind, 21 May 1986, K.M. Matthew & N. Rajendren, col. No. RHT 545346, RHT028520. **Dindigul district:** Kodaikanal, Mulaiyar-Thalaiyar, Flowering 10 Oct.1955, 900 m, K.M. Matthew, col. No. RHT 297, RHT028459; Fruiting 05 Mar.1956, 900 m, K.M. Matthew, col. No. RHT 297, RHT028459; Kodaikanal, Ghat road, 25 Feb.1959, 702 m, J. Pallithanam, col. No. JP 4546, RHT028510 & RHT028511; Sirimalai, 22 May 1958, J. Pallithanam, col. No. JP 3424, RHT028513; 01 Apr. 1955, J. Pallithanam, col. No. JP 197, RHT028512; 22 May. 1958, J. Pallithanam, col. No. JP 3424, RHT028513 & RHT028514; 01 Apr. 1955, J. Pallithanam, col. No. JP 197, RHT028512; 01 Apr.1955, J. Pallithanam, col. No. JP 197, RHT028512; 05 Feb. 1959, J. Pallithanam, col. No. JP 4277, RHT028515; 14 Jun. 1960, J. Pallithanam, col. No. JP 6082, RHT028516. **Kamarajar district:** Way to Kurathi viduthi Estate, Seithur Hills, alt. 400 m, 09.Nov.1989, S. R. Srinivasan, col. No.86915, BSID0017012; Way to Nagariyar Estate, alt. 500 m, 10.Nov.1990, S. R. Srinivasan, col. No.94417, BSID0010124. **Madurai district:** Near check post, Madurai, 14.Aug.1990, alt. 900 m, V. Lakshmanan, col. No.91116, BSID0017013; Sirumalais hills, J. Pallithanam, col. No. JP 117, RHT028452 & RHT028451; 21 Sept.1955, J. Pallithanam, col. No. JP 889, RHT028453; 14 May1958, J. Pallithanam, col. No. JP 3304, RHT028454; 01 Nov. 1958, J. Pallithanam, col. No. JP 3721, RHT028455; 12 Mar.1959, J. Pallithanam, col. No. JP 4775, RHT028456; 28 Aug.1959, J. Pallithanam, col. No. JP 4949, RHT028457; Alagar hills, 26 Sept.1975, 350 m, K.M. Matthew, col. No. RHT 14874, RHT028517 & RHT028518; Kodaikanal, Sothupparai (Periakulam) - Agamalai Path, 14 May 1986, 400 m, K.M. Matthew & N. Rajendren, col. No. RHT 45015, RHT028519; Ganesapuram-Palani path, 22 Mar.1987, 800 m, K.M. Matthew, col. No. RHT 48690, RHT028521; 05Aug.1988, K.M. Matthew col. No. RHT 53359, RHT028522. **Nilgiris District**: Ooty, Dec. 1952,

RHT028568. **Pudukottai District**: Narthamalai hills, 20 Oct. 1968, K.M. Matthew, col. No. RHT 9474, RHT028524; 30 Oct. 1969, K.M. Matthew, col. No. RHT 10482, RHT028525. **Salem District**: Rasipuram - Bodai hills, 16 Jul. 1978, 750 m, K.M. Matthew & K. Murugesan, col. No. RHT 15478, RHT028543; Attur - Chinnakalarayans, Thenkalvarai, 21-02-1979, 800 m, T.S. Jayaseelan, col. No. RHT 21955, RHT028478; Thirthagiri RF, 24 Aug. 1976, 800 m, K.M. Matthew & D.I. Arockiasamy, col. No. RHT 3426, RHT028533; Ghat road, Koxhikoopitan aar, Aruna RF, 10 Mar. 1977, 500 m, K.M. Matthew, col. No. RHT 6878, RHT028537; Aruna RF, 07 Jan. 1978, 600 m, V. Alphonse Amalraj, col. No. RHT 10930, RHT028538; Kozhikoopittan aaru, 27 Jun. 1978, 550 m, N. Venugopal, col. No. RHT 14367, RHT028541; Karumandhurai, 28 Jun. 1978, 800 m, N. Venugopal, col. No. RHT 14423, RHT028542; Along Kolzhikupittan aaru, 20 Feb. 1979, 700 m, T.S. Jayaseelan, col. No. RHT 21863, RHT028546; Villimalai, 27 Apr. 1980, 600 m, Diraviam & Anthony, col. No. RHT 27792, RHT028548; Pacchaimalais, Narippadi to Kumbakkal perumal, 27 Jul. 1978, 700 m, K.M. Matthew & N. Venugopal, col. No. RHT 15620, RHT028544; Periakalrayans, Jadayagoundan. Jaigir east Thaembadi aaru, 20 Sept. 1978, 275 m, N. Venugopal & C. Monoharan, col. No. RHT 17424, RHT028545. Namakkal - Kolli hills, 11 Apr. 1976, 1000 m, K.M. Matthew & C. Rajamani, col. No. RHT 2070, RHT028532; Kolli hills, Arapleeswarar falls, 18 Apr. 1978, 1300 m, A. Mahan, col. No. RHT 13031, RHT028539; Kolli hills, Koottaru, 19 Apr. 1978, 1040 m, A. Mahan, col. No. RHT 13143, RHT028540; Kolli hills, Arappaluswarar temple falls top, 19 Apr. 1979, 950 m, A. Diraviadass, col. No. RHT 22864, RHT028547; Vettapparai, 30 Dec. 1976, 300 m, K.M. Matthew, col. No. RHT 5680, RHT028534; Vettapparai, 30 Dec. 1976, 300 m, K.M. Matthew, col. No. RHT 5680, RHT028535; Namakkal, Puliancholai slopes, 31 Dec. 1976, 800 m, K.M. Matthew, col. No. RHT 6075, RHT028536; Rasipuram - Bodai hills, 16 Jul. 1978, 750 m, K.M. Matthew & K. Murugesan, col. No. RHT 15478, RHT028543. **South**

Arcot District: Kallakkurichi - Kalrayans, Serapatty Ghat road, 28 Apr. 1980, 500 m, Diraviadosss, col. No. RHT 27799, RHT028561; Ariya gounden, Jagir Nilayaoor, 23 Aug. 1979, 700 m, K.M. Matthew & G. Paramasivan, col. No. RHT 24267, RHT02856; Unnikkal, 13 jun. 1978, 820 m, K.M. Matthew & N. Venugopal, col. No. RHT 13934, RHT028555; Vellapparai, 13 Jun. 1978, 800 m, K.M. Matthew & N. Venugopal, col. No. RHT 13926, RHT028554; Near Kallipparai, 14 Jan. 1979, 800 m, N. Venugopal, col. No. RHT 20982, RHT028559; From Puttur to Mottampatty bridle path, 25 Sept. 1978, 600 m, N. Venugopal & C. Monoharan, col. No. RHT 17817, RHT028556; Gomukhidam, Thagarai forest north, 14 Dec. 1978, 150 m, K.M. Matthew & P. Perumal, col. No. RHT 20252, RHT028558 & col. No. RHT 20232, RHT028557. **Tiruchi District**: Thuraiyur - Pacchaimalais, Sobanapuram - Top Sengattupatty Ghat road top, 20 Mar. 2003, 750 m, K.M. Matthew, col. No. RHT 63812, RHT028507; Ghat road, 31 Dec. 1975, 450 m, K.M. Matthew & C. Rajamani, col. No. RHT 480, RHT028527; Vengamudi path, 17 Dec. 1977, 800 m, K.M. Matthew, col. No. RHT 10740, RHT028528; Way to Manalodai (Kuthrai pathai- horse path), 02 Apr. 1979, 650 m, C. Manoharan, col. No. RHT 22629, RHT028530; Manaledai, 30 Jul. 1979, 700 m, T.S.Jayaseelan, col. No. RHT 24047, RHT028531; Sobanapuram, 2 km away from forest, 22 Nov. 1978, 200 m, K.M. Matthew, V.S. Manickam & Manoharan, col. No. RHT 19370, RHT028529. **Tiruchirapalli District**: Railway station, 08 Sept. 1967, K.M. Matthew, col. No. RHT 7754, RHT028523. **Tirunelveli District**: Tenkasi, No collection details, RHT028569; Courtallam, 15 Sept. 1970, 200 m, K.M. Matthew, col. No. RHT 12538, RHT028570. **Tiruvallur District**: 3 km beyond place palayam (A.P. border), 30 Jan. 2000, 250 m, K.M. Matthew & J. Jayanthi, col. No. RHT 70946, RHT028563. **Tiruvannamalai District**: Javadu hills (Thenmalai), Melpet Forest Camp. up the wireless station Ghat, 30 Mar. 2000, 1000 m, K.M. Matthew, col. No. RHT 71615, RHT028564; Javadu hills, Jamunamarathur, (Above pattarakkadu), 06 Jan. 2002, 600 m, K.M. Matthew, col. No. RHT

73775, RHT028566. In the name of *Gardenia lucida* Roxb.: India, Botanical Garden, 20.Nov. Wallich cot. No. 8270b, CAL0000016083; 8270e, CAL0000016084; 8270e, CAL0000016085; 8270f, CAL0000016086; 8270a, CAL0000016087; Herb. Guil. Roxburgh 90, Herb, Horti Bot. Nat. Belg (BR) BR-SP. 530475, -BR0000005304752; Herb. Guil. Roxburgh 88, Herb, Horti Bot. Nat. Belg (BR) BR-SP. 530639, -BR0000005306398; Herb. Guil. Roxburgh 89, Herb, Horti Bot. Nat. Belg (BR) BR-SP. 530672, -BR0000005306725; Herb. Guil. Roxburgh 91, Herb, Horti Bot. Nat. Belg (BR) BR-SP. 552348, -BR0000005523481; Peninsula Ind. Orientalis, Herb. Wight. Prop. 1273 (92), Herb, Horti Bot. Nat. Belg (BR) BR-SP. 573721, -BR0000005737215; Catal. n. 8270. E. (93)- E norto Calcutensi. Commune Loiret Morat A. F. 1841, Herb, Horti Bot. Nat. Belg (BR) BR-SP. 573754, -BR0000005737543; Roxb. -BM001250448, The Natural History Museum, London; 8270, -K000031306, Royal Botanic Gardens Kew; India, Karnataka, Mysore, Ginger Hills, the hills about mysoor, 29th Sept. 1826, Roxb. Herb. Botanical Gardens Nov. 1814, Roxb.13, 8270a, K001125090; Wallich 8270a, -K001125091; 8270.c, -K001125092 on the same sheet; Roxb. 13, 8270.D, K001125093; Roxb. 13, 8270e, K001125094; Roxb. 22, KBG (Kolkatta Botanical Garden), 8270e, K001125095; Roxb.13, 8270.E, K001125096; Herb. Roxb. 22, 8270f, -K001125097; Roxb.13, 8270a, -K001125089; Ex Herbario Musei Britannici Roxburgh, 13 April 1923 du British Muséum, Herbier Muséum Paris, P00836480, Possible Type!; Herbier Muséum Paris, P00836479, Possible Type!; Herb. Ind. ext. Calcut, M. Wallich. 1847, Wall. Cat. 8270.E, Herbier Muséum Paris, P00836481; India Orient. Calcut, M. Wallich n 8270.E, Herbier Muséum Paris, P00836482; Herb. Hort. Bot. Calcuttensis, Cult. in Hort. Bot. Cal. Herbier Muséum Paris, P04001440; Cult. in Hort. Bot. Cal., Chittagang, April, 1862, Herbier Muséum Paris, P04001441; Cult. in Hort. Bot. Cal., Herbier Muséum Paris, P04001443; Herb. in India Orient, Cult. in Hort. Bot. Cal., 1863, Herbier Muséum Paris, P04001444; Orengale, herb. Bilanyer, no. 98, Herbier Muséum Paris, P04001445;

Carnatic, Bilanyer, 1828-1820, Herbier Muséum Paris, P04001446; Neeligheris, Leschenault, Herbier Muséum Paris P04001447; India, mountan Nilgherries, M. Leschenault No. 199, Herbier Muséum Paris P04001448; India, mountan Nilgherries, M. Leschenault No. 199, det. Perrottet in 1899, Herbier Muséum Paris P04001449.

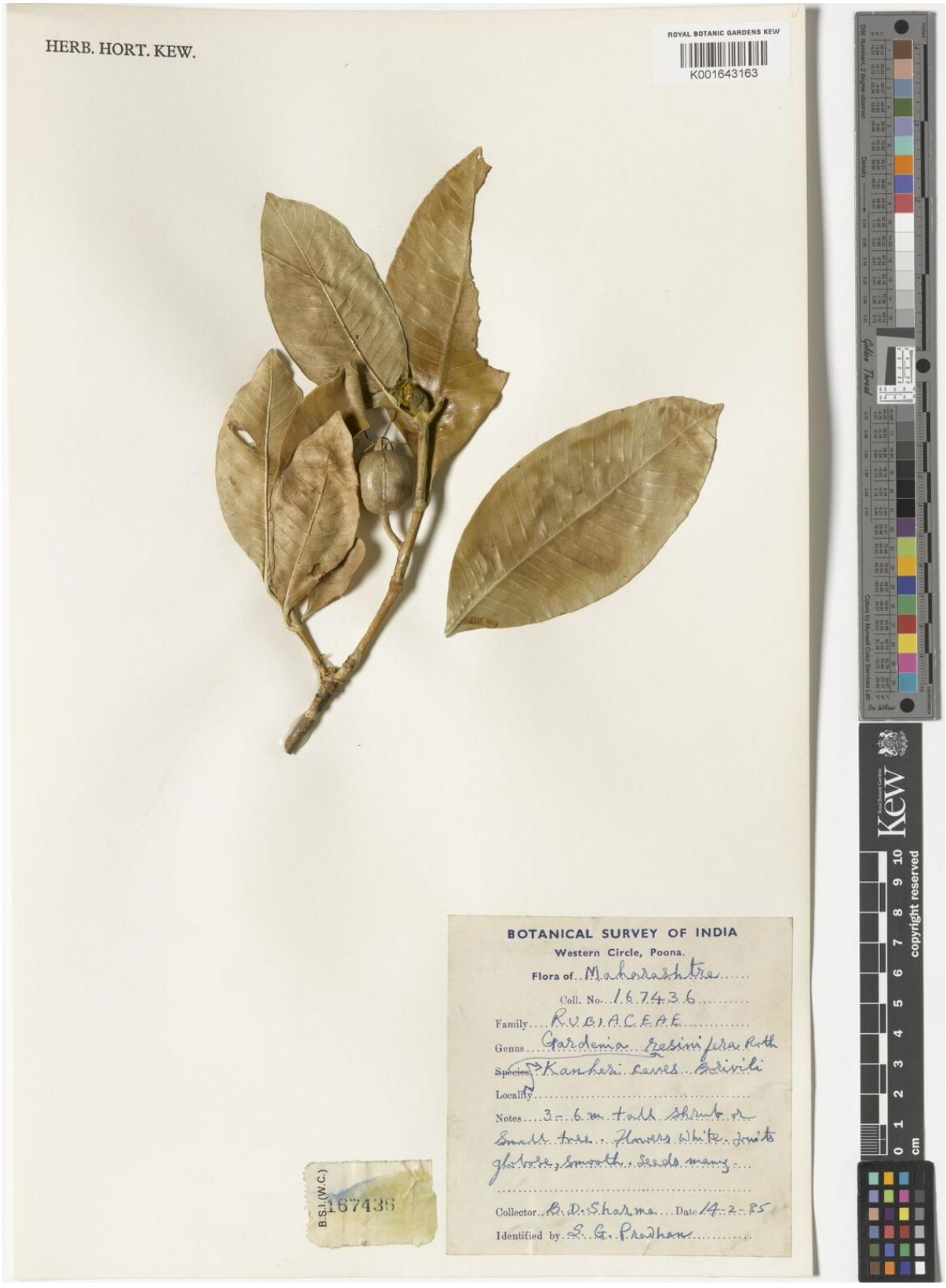
Nomenclatural issue: the *Gardenia lucida* Roxb. (Hort. Beng. 1814: 15) name was first published in tabular columns (Native place – Chittagong; Habit – Small tree; Time of flowering – Hot season; Time of seed – Cool season) based on a specimen procured from Dr. F. Buchanan in 1798 and also a living plant that was growing in the East India Company's Botanical Garden at Calcutta, but without a description. The same was later published in 1824 in Flora Indica, Volume 2, by William Carey (W.C.) based on William Roxburgh's (W.R.) descriptions and some of Nathaniel Wallich's (N.W.) descriptions. In this description a note made by N.W that: "probably the same as *Gardenia resinifera* Roth Novae Plantarum Species 150 in 1821." The same was again published in 1832 by W.C. based on W.R. descriptions.

Supplementary 2:

Type specimen of *Gardenia duerrii* sp. nov.



Gardenia duerrii – DNA 436 @ BSID



Gardenia duerrii Colleted by B.D.Sharma 167436, @ K



Gardenia duerrii Colleted by Jacquemont 683, and Det. By DD Tirvengadum @ P



Gardenia duerrii @ BSI (label as *G. resinifera*)



Gardenia duerrii @ BSI (label as *G. resinifera*)

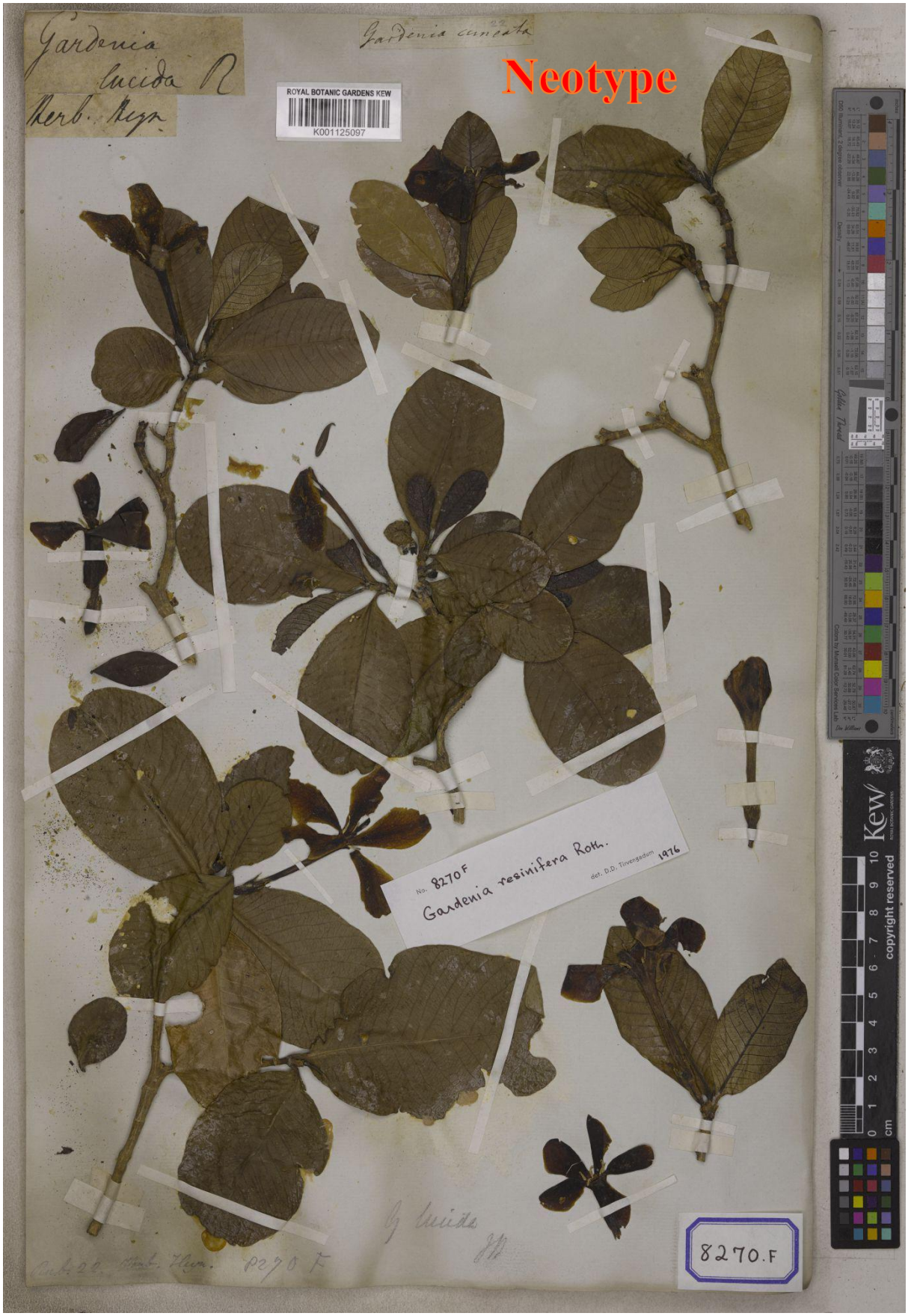
Supplementary 3:

The specimens of *Gardenia resinifera* Roth (1819: 5, 239), deposited in B, were destroyed in WW-II. Based on the literature available, *Gardenia lucida* Roxb. is heterotypic synonym of *Gardenia resinifera* Roth. On the other hand, an illustration in Wight's Icon. Plant. Ind. Ori. (1843: v. 2, p. 6, t 575) named as *Gardenia lucida* Roxb., is matching the present new species *Gardenia duerrii* except in fruiting calyx character. The same was previously published by R.Wight and G.A.Walker-Arnott in Prod. Fl. Penin. Ind. Ori. (1834: v.1, p.395, t. 1219) with a note that "The tube of the corolla is at least four times as long as the limb of the calyx in our specimens, but every other point agrees with Roxburg's description". Neotype designated from

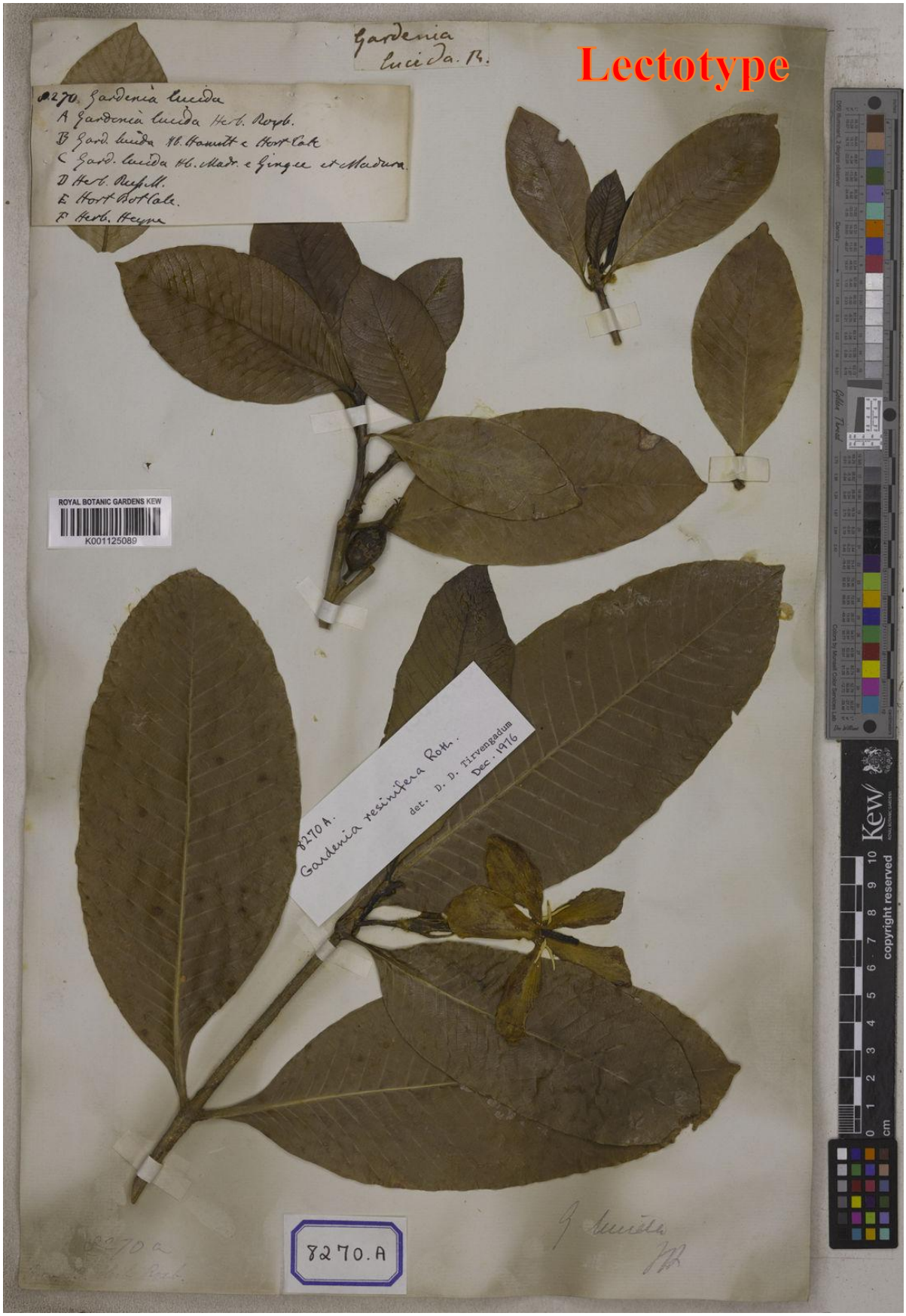
Gardenia resinifera



Gardenia resinifera (=*G.lucida*) DNA 438 @ B



Gardenia resinifera (= *G. lucida*) Wallich 8270F @ K



Gardenia lucida Roxb. (=*G. resinifera*) Wallich 8270A @ K



Gardenia resinifera (= *G. lucida*) Wallich collection 8270 @ K



Gardenia resinifera (= *G. lucida*) Roxb. in 1863 @ BR



Gardenia resinifera (= *G. lucida*) Wallich 8270 @ CAL



Gardenia resinifera (= *G. lucida*) Wallich 8270 @ CAL