

rachillæ 12-15 cm. longæ, laxe floriferæ, glabræ; pedunculus 30-40 cm. longus, gracilis, compressus: fructus ellipsoideus, 12-14 mm. longus, 6-7 mm. crassus, angustatus ad utrosque fines, non sarcosus; cupula parva, striata intra.

To 3 m. tall, very slender: leaf-blade 40-50 cm. long, thin, bright green both sides, pinnate, terminal part bilobed at apex and imperfectly 2-pinnatisect on either side; pinnæ alternate and spaced 3-9 cm. apart on the rachis, lanceolate or broad-lanceolate or lanceolate and sigmoid, 16-22 cm. long, 3-6 cm. broad at middle, slenderly acuminate, considerably narrowed to base, strongly 4-5-ribbed and with indistinct veins between; petiole very short, about 6 or 7 cm. long above the sheath, striate, 3-4 mm. broad; rachis somewhat flattened, about 2 mm. broad: spadix slender and small; peduncle 30-40 cm. long, compressed, 3-4 mm. broad, bearing 5 or 6 sheaths; fruiting part terminal or nearly so, the rachis only 2-3 cm. long; rachillæ 5, slender, 12-15 cm. long, loosely flowered: fruit ellipsoid, 12-14 mm. long, 6-7 mm. thick, tapering both ways, not fleshy and scarcely roughened in drying; cupule 3-lobed, not greatly enlarged, lobes spreading and striate inside, often remaining on the rachis.

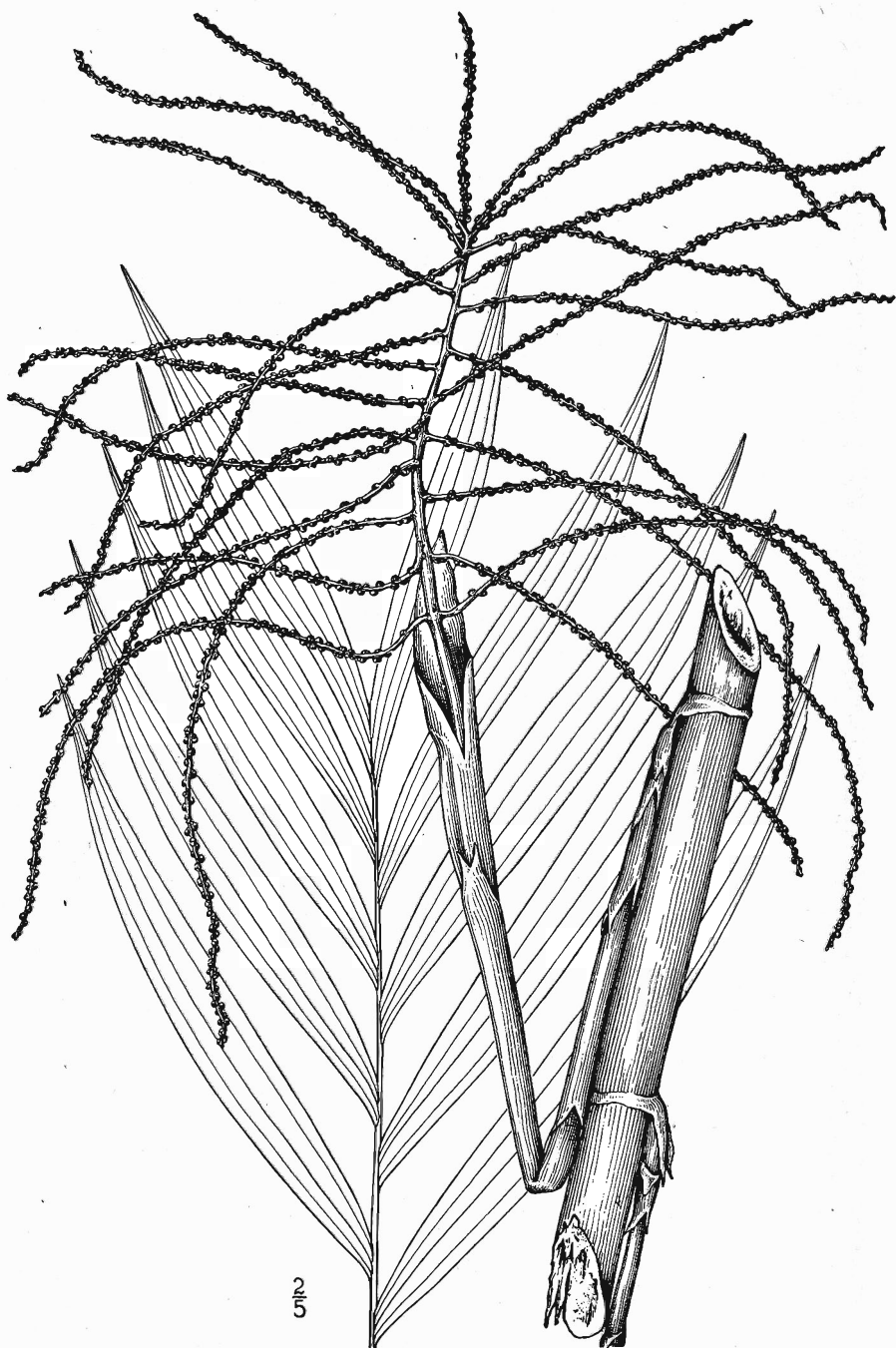
A "terrestrial shrub," Water Valley, Province Bocas del Toro, *H. von Wedel* 719.

† *Chamædorea linearia*, spec. nov. Fig. 131.

Gracilis, 3 m. plus vel minus alta, culmus circa 15 cm. crassus, annulatus, internodi 2-3 cm. vel plus longi: folia longi-pinnata; lamina 30-45 cm. longa, 20 cm. vel plus lata, glabra; pinnæ 15-20 jugæ sed compacte alternæ, 25-30 cm. longæ, 2-3 cm. latæ, longi-lineares, non sigmoideæ, acuminatæ et aliquid falcata; costa media prominentia, venæ laterales paucæ sed aliquid conspicuæ, venæ non aperte curvæ; petioli vagina 20 vel plus cm. longa, valde striata; rachis spadiceis staminatæ 12-15 cm. longa, rachillæ circa 12 laterales et patulæ vel pendulæ et 10-12 cm. vel plus longæ; vaginæ pedunculi circa 5, vagina terminalis bractifera; flores staminati compacti, 1 mm. alti, petala valvata.

Erect, slender, more or less 3 m. tall, culm about 1.5 cm. thick, internodes 2-3 and more cm. long, rings prominent: leaves long-pinnate, blade 30-45 cm. long and 20 cm. and more broad, glabrous; pinnæ long-linear, alternate but close together, 15-20 or more either side the rachis, 25-30 cm. long, 2-3 cm. broad, not sigmoid but acuminate apices somewhat falcate, midrib pronounced and few side veins also noticeable, veins not clearly curved, base narrow and with nearly straight veins; petiole sheath 20 or more cm. long, strongly striate: staminate spadix with rachis 12-15 cm. long and about a dozen lateral slender glabrous spreading or drooping rachillæ 10-12 cm. or more long; peduncle 20-25 cm. long, sheaths about 5 of which the terminal one is open and with a conspicuous bract; staminate flowers closely placed, about 1 mm. high just preceding anthesis and somewhat broader; calyx a shallow nearly entire cup, 3 petals valvate.

Forests around El Boquete, Chiriqui, 1,000-1,300 m., *H. Pittier* 2922 (U. S. Nat. Herb.).



131. LARGE SPADIX, TOP OF LEAF of *Chamædorea linearia*.