

ORIGINAL ARTICLES.

STUDIES IN CASSAVA

I. A CLASSIFICATION OF RACES OCCURRING
IN CEYLON (Continued)

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MU. 21

(Sinyokka)

Petiole : 38 ± 1.0 cm. long, carmine (colour deepest at the ends), alternately inclining and horizontal; distal end curved.

Young Leaf : Purplish green; midrib red.

Mature leaf : Light green, of medium size, with commonly 7 leaflets; leaflets somewhat divergent, slightly concave above, with distal halves bending down; central leaflets 18 ± 0.5 cm. long and 4 ± 0.1 cm. wide.

Petiole scar : Bright purple.

Stem : Yellowish green with pink shading when young; wood brown when mature.

Flowers : Males early and plentiful; females late and few; male calyx pale green with alizarine pink shading; stigma white; ovary green with pink ridges.

Capsule : Apple green to light green with pink wings; nectary buff.

Tuber : Fat, of medium length; surface scaly, carrot red to salmon, with occasional grey patches; phelloderm pink; flesh white.

Habit : Branching high; foliage dense.

Distribution : Matale.

MU. 22

(Kalu-ala sinyokka)

Petiole : 33 ± 0.4 cm. long, dark carmine at the ends, less deeply coloured towards the centre alternately inclining and horizontal; distal end slightly curved.

Young leaf : Light green tinged with purple; midrib red to green.

Mature leaf : Yellowish green, of medium size, with commonly 7 plane, broad leaflets; central leaflet 22 ± 0.7 cm. long and 5 ± 0.1 cm. wide.

Petiole scar : Maroon.

Stem : Yellowish green with red stripes when young; wood brown to silver grey when mature.

Flowers : Males and females abound and bloom almost simultaneously; male and female calyx neva green with alizarine pink shading; stigma white; ovary green with pink ridges.

Capsule : Antique green with pink wings; nectary coral red.

Tuber : Fat, of medium length; surface scaly, kaiser brown to Hay's russet; phelloderm alizarine pink; flesh white.

Habit : Branching high and infrequent; foliage sparse.

Distribution : Bibile.

Footnote—The first part of this Article appeared in the Tropical Agriculturist, Vol. C. No. 4 October-December, 1944.

Delay in the preparation of the coloured plates has prevented their inclusion in this number. They will appear in a later issue.

MU. 23**(Sinyokka)**

Petiole : 30 ± 0.8 cm. long, bright carmine at the ends, fading to yellowish brown towards the middle, alternately inclining and horizontal, with curved distal end.

Young leaf : Light purplish green ; midrib red.

Mature leaf : Light green, of medium size, with commonly 7 leaflets ; leaflets plane, divergent, bending down ; central leaflet 19 ± 0.6 cm. long and 4 ± 0.1 cm. wide.

Petiole scar : Bright purple.

Stem : Zigzag, yellowish green with red stripes when young ; wood brown to silver grey when mature.

Flowers : Males and females abound and bloom almost simultaneously ; male and female calyx cream with alizarine pink shading ; stigma cream ; ovary green with purple ridges.

Capsule : Pale yellowish green with pink wings ; nectary coral red.

Tuber : Long, of medium thickness ; surface rough, salmon with occasional grey patches ; phelloderm Venetian pink ; flesh white.

Habit : Branching high and infrequent ; foliage dense.

Distribution : Nawalapitiya, Ampitiya.

MU. 24**(Sinyokka)**

Petiole : 31 ± 0.7 cm. long, dark red at the ends fading to greenish brown towards the middle, faintly sigmoid, horizontal and inclining.

Young leaf : Green with very faint tinge of purple ; midrib red.

Mature leaf : Yellowish green, large, with commonly 7 leaflets ; leaflets divergent, stiff, adaxially concave in cross section ; central leaflet 20 ± 0.7 cm. long and 5 ± 0.1 cm. wide.

Petiole scar : Greenish purple.

Stem : Dark green with red stripes when young ; silver grey when mature.

Flowers : Males and females bloom in profusion and almost simultaneously ; male and female calyx pale green with alizarine pink shading ; stigma white ; ovary green with pink-tipped ridges.

Capsule : Antique green with green wings ; nectary pale orange.

Tuber : Long, of medium thickness ; surface smooth, apricot buff to salmon with occasional grey patches ; phelloderm sea-shell pink ; flesh white.

Habit : Branching variable ; foliage sparse.

Distribution : Kegalla.

MU. 25**(Thunmas-Sinyokka)**

Petiole : 36 ± 0.4 cm. long, carmine (colour deepest at the ends), faintly sigmoid, alternately inclining and horizontal.

Young leaf : Light purplish green ; midrib red.

Mature leaf : Dark green, of medium size, with commonly 7 leaflets ; leaflets divergent, bending down, adaxially concave in cross section ; central leaflet 25 ± 0.6 cm. long and 5 ± 0.1 cm. wide.

Petiole scar : Dark purple.

Stem : Bright green with red stripes when young ; silver grey when mature.

Flowers : Males few and late ; female calyx cream with alizarine pink shading ; stigma pale pinkish white ; ovary light green with pink ridges.

Capsule : Apple green to light green with pink wings ; nectary light coral red.

Tuber : Long, of medium thickness ; surface rough, light salmon with occasional pink and grey patches ; phelloderm Venetian pink ; flesh white.

Habit : Branching absent, or high and infrequent ; foliage of moderate density.

Distribution : Kotugoda.

MU. 26**(Rata-sinyokka)**

Petiole : 31 ± 0.4 cm. long, carmine (colour deepest at the ends), sigmoid, alternately inclining and horizontal.

Young leaf : Green very faintly tinged with purple ; midrib red.

Mature leaf : Dark green, of medium size, with commonly 7 leaflets ; leaflets somewhat divergent, bending down and tending to be adaxially concave in cross section ; central leaflet 23 ± 0.5 cm. long and 5 ± 0.2 cm. wide.

Petiole scar : Dark purple.

Stem : Bright green with shaded red stripes when young, wood brown to silver grey when mature.

Flowers : Males and females abound and bloom almost simultaneously ; male calyx cream with alizarine pink shading ; female calyx cream with alizarine pink lines ; stigma white ; ovary green with pink-tipped ridges.

Capsule : Apple green to light green with pink wings ; nectary coral red.

Tuber : Fat and long ; surface rough, tawny brown to warm buff with occasional grey and pink patches ; phelloderm sea-shell pink ; flesh white.

Habit : Branching variable ; foliage dense.

Distribution : Kegalla.

MU. 27

(Nuga-ala-sinyokka)

Petiole : 30 ± 0.5 cm. long, dark red at the ends fading to yellowish red towards middle, faintly sigmoid to irregularly shaped, inclining, horizontal and declining.

Young leaf : Light purplish green ; midrib red to green.

Mature leaf : Bright green, large, with commonly 7 leaflets ; leaflets bending down, tending to be adaxially concave in cross section ; central leaflet 19 ± 0.4 cm. long and 5 ± 0.1 cm. wide.

Petiole scar : Maroon.

Stem : Light green with shaded red stripes when young, wood brown to silver grey when mature.

Flowers : Males and females abound and bloom almost simultaneously ; male calyx light green with light purple lines ; stigma white ; ovary purplish green with pink-tipped ridges.

Capsule : Antique green to bright green with pink-edged wings ; nectary pale orange yellow.

Tuber : Fat and long ; surface scaly, kaiser brown to Hay's russet ; phelloderm Venetian pink ; flesh white.

Habit : Branching high and infrequent ; foliage sparse.

Distribution : Katugastota and Bibile.

MU. 28

(Sinyokka)

Petiole : 36 ± 0.6 cm. long, carmine (colour deepest at the ends), faintly sigmoid, alternately horizontal and inclining.

Young leaf : Light purple tinged with green ; midrib red.

Mature leaf : Dark green, large, with 7-9 (commonly 7) leaflets ; leaflets lying close together, bending down, adaxially concave in cross section ; central leaflet 20 ± 0.4 cm. long and 5 ± 0.1 cm. wide.

Petiole scar : Dark purple.

Stem : Yellowish green with red stripes when young, wood brown when mature.

Flowers : Males numerous and early ; females few and late ; female calyx cream with alizarine pink shading ; stigma light pink ; ovary purplish green.

Capsule : Apple green to light green with pink wings ; nectary coral red.

Tuber : Fat and long ; surface, scaly, apricot buff to salmon buff ; phelloderm sea-shell pink ; flesh yellowish white.

Habit : Branching variable ; foliage of moderate density.

Distribution : Udispattu.

MU. 29

(Sinyokka)

Petiole : 37 ± 0.8 cm. long, carmine at the ends, carmine to greenish brown towards the middle ; alternately inclining and horizontal, with distal end curved.

Young leaf : Green tinged with purple ; midrib pale red.

Mature leaf : Light green, of medium size, with commonly 7 leaflets ; leaflets plane, somewhat divergent, bending down ; central leaflet 19 ± 0.4 cm. long and 5 ± 0.1 cm. wide.

Petiole scar : Maroon.

Stem : Dark green with shaded dark red stripes when young, wood brown when mature.

Flowers : Males numerous and early ; females few and late ; female calyx light yellowish green with light pink lines ; stigma white ; ovary green with pink ridges.

Capsule : Antique green with pink-edged wings ; nectary coral red.

Tuber : Fat and short ; surface scaly, salmon with occasional pink and grey patches ; phelloderm Venetian pink ; flesh yellowish white.

Habit : Branching low ; foliage dense.

Distribution : Horana.

MU. 30

(Kahamanyokka)

Petiole : 34 ± 0.5 cm. long carmine (colour deepest at the ends), commonly inclining occasionally horizontal, with distal end curved.

Young leaf : Purple ; midrib pale green to yellowish green.

Mature leaf : Yellowish green, medium to small, with commonly 7 leaflets ; leaflets divergent ; bending down at tips ; central leaflet 18 ± 0.4 cm. long and 5 ± 0.1 cm. wide.

Petiole scar : Bright green tinged with maroon.

Stem : Dark green when young, wood brown when mature.

Flowers : Males few and late ; females more numerous and early ; female calyx neva green with faint alizarine pink lines ; stigma white ; ovary green with pink-tipped ridges.

Capsule : Antique green with pink-edged wings ; nectary coral red.

Tuber : Fat, of medium length ; surface scaly, kaiser brown to Hay's russet ; phelloderm light yellow ; flesh yellowish white.

Habit : Branching variable ; foliage dense.

Distribution : Nawalapitiya.

MU. 31

(Sinyokka)

Petiole : 36 ± 0.6 cm. long yellowish-green, ox-blood red at the ends, faintly sigmoid, inclining.

Young leaf : Light purplish green ; midrib red to light green.

Mature leaf : Dark green, of medium size, with usually 7 leaflets ; leaflets flat, moderately divergent, bending down at the tips ; central leaflet 23 ± 0.6 cm. long and 5 ± 6.1 cm. wide.

Petiole scar : Maroon.

Stem : Bright green when young, silver grey when mature.

Flowers : Both sexes abound and bloom almost simultaneously ; calyx of males and females neva green with alizarine pink shading ; stigma white ; ovary green with pink ridges.

Capsule : Antique green to light green with pink wings ; nectary coral red.

Tuber : Fat, of medium length ; surface rough to scaly ; phelloderm light yellow ; flesh yellowish white.

Habit : Branching high and infrequent ; foliage dense.

Distribution : Maho.

MU. 32

(Kalu-sinyokka)

Petiole : 32 ± 0.9 cm. long, blackish red becoming brownish near the centre (colour deepest at the ends), alternately inclining and horizontal ; distal end curved.

Young leaf : Blackish purple-green ; midrib red.

Mature leaf : Dark green, of medium size, with usually 7 leaflets ; leaflets flat, divergent, bending down ; central leaflet 21 ± 0.6 cm. long and 4.5 ± 0.1 cm. wide.

Petiole scar : Yellowish green.

Stem : Dark brownish green with blackish red shading when young, wood-brown when mature.

Flowers : Both sexes abound and bloom almost simultaneously ; calyx of males and females neva green with alizarine pink shading ; stigma white ; ovary green with pink ridges.

Capsule : Antique green to bright green with pink wings ; nectary carmine.

Tuber : Fat, of medium length ; surface rough, tawny brown to warm buff ; phelloderm light yellow ; flesh yellowish white.

Habit : Branching low and frequent ; foliage of moderate density.

Distribution : Puttalam.

MU. 33**(Nuga-sinyokka)**

Petiole : 33 ± 0.9 cm. long, blackish red (colour deepest at the ends), slightly sigmoid, inclining and horizontal.

Young leaf : Purplish green ; midrib red.

Mature leaf : Dark green, of medium size, with usually 7 leaflets ; leaflets moderately divergent, adaxially concave in cross section with distal halves bending down ; central leaflet 18 ± 0.5 cm. long and 4 ± 0.1 cm. wide.

Petiole scar : Dark purple.

Stem : Green with shaded red stripes when young ; wood brown when mature.

Flowers : Appear in profusion, and at about the same time in both sexes ; calyx of males pale green with alizarine pink shading ; calyx of females green with Bordeaux shading ; stigma light pink ; ovary green with pink ridges.

Capsule : Antique green to bright green with green wings ; nectary coral red.

Tuber : Of medium thickness, long ; surface slightly scaly, tawny brown to warm buff ; phelloderm light yellow ; flesh yellowish white.

Habit : Branching high and infrequent ; foliage dense.

Distribution : Alawwa.

MU. 34**(Kiri-sinyokka)**

Petiole : 34 ± 0.8 cm. long, carmine (colour deepest at the ends), faintly sigmoid, alternately inclining and horizontal.

Young leaf : Purplish green ; midrib red.

Mature leaf : Yellowish green, of medium size, with usually 7 leaflets ; leaflets moderately divergent, adaxially concave in cross section bending down at the tips ; central leaflet 20 ± 0.3 cm. long and 5 ± 0.2 cm. wide.

Petiole scar : Maroon.

Stem : Bright green with shaded red stripes when young, silver grey when mature.

Flowers : Profuse ; males and females bloom almost simultaneously ; calyx of males pale yellow-green with alizarine pink lines ; calyx of females neva green with faint alizarine pink lines ; stigma white ; ovary green with pink ridges.

Capsule : Green to pale yellowish green with pink wings ; nectary pale orange yellow.

Tuber : Fat, of medium length ; surface somewhat scaly, tawny brown to warm buff ; phelloderm yellow ; flesh yellowish white.

Habit : Height of branching variable ; foliage moderately dense.

Distribution : Ambalantota.

MU. 35**Thunmas-Sinyokka.**

Petiole : 33 ± 0.7 cm. long, carmine (colour deepest at the ends), straight, inclining.

Young leaf : Light purple tinged with green ; midrib light red.

Mature leaf : Dark green, of medium size, with usually 7 leaflets ; leaflets plane, divergent, bending down ; central leaflet 23 ± 0.7 cm. long and 4.8 ± 0.1 cm. wide.

Petiole scar : Dark purple.

Stem : Zigzag, yellowish green with red stripes when young ; wood brown when mature.

Flowers : Males more numerous ; flowers of both sexes bloom almost simultaneously ; calyx of males cream with faint pink shading at the base ; calyx of females cream with light pink stripes ; stigma pale pinkish white ; ovary green with pink ridges.

Capsule : Apple green to light green with light pink wings ; nectary geranium pink.

Tuber : Of medium thickness and length ; surface rough, warm buff to light buff with occasional grey patches ; phelloderm white ; flesh yellow.

Habit : Branching high and infrequent ; foliage moderately dense.

Distribution : Horana.

MU. 36**(Kalutara-sinyokka)**

Petiole : 32 ± 1.1 cm. long, carmine (colour deepest at the ends), inclining, curved at the distal end.

Young leaf : Purplish green ; midrib red.

Mature leaf : Light green, of medium size, with usually 7 leaflets ; leaflets flat, somewhat divergent, bending down ; central leaflet 17 ± 0.5 cm. long and 4 ± 0.2 cm. wide.

Petiole scar : Maroon.

Stem : Dark green with shaded, dark red stripes when young, silver grey when mature.

Flowers : Males and females abound, and bloom simultaneously ; calyx of males yellowish green with alizarine pink shading ; calyx of females pale yellowish green with faint, alizarine pink lines ; stigma white ; ovary green with pink wings.

Capsule : Apple green to light green with pink wings ; nectary carmine.

Tuber : Fat and short ; surface rough, tawny brown to hazel brown with occasional grey patches ; phelloderm white ; flesh white.

Habit : Branching high and infrequent ; foliage sparse.

Distribution : Ambalantota.

MU. 37

(Demas-sinyokka)

Petiole : 34 ± 0.9 cm. long, blackish red (colour deepest at the ends), commonly inclining, occasionally horizontal, curved at the distal end.

Young leaf : Light purplish green ; midrib red.

Mature leaf : Dark green, of medium size, with commonly 7 leaflets ; leaflets adaxially concave in cross section, divergent, with distal halves bending down ; central leaflet 18 ± 0.5 cm. long and 5 ± 0.1 cm. wide.

Petiole scar : Maroon.

Stem : Bright green with shaded red stripes when young, silver grey when mature.

Flowers : Males and females bloom almost simultaneously ; calyx of males bright green with Vandyke red shading ; calyx of females light green with Vandyke red shading and stripes ; stigma cream ; ovary green with pink wings.

Capsule : Apple green to light green with bright pink wings ; nectary light coral red.

Tuber : Of medium size ; surface somewhat scaly, apricot buff to salmon buff with occasional grey patches ; phelloderm white ; flesh light yellow.

Habit : Branching high, low or variable ; foliage dense ; occasionally aberrant, early-flowering branches with small, trifid leaves appear.

Distribution : Matugama.

MU. 38

(Neti-ratu-manyokka)

Petiole : 34 ± 0.8 cm. long, carmine (colour deepest at the ends), inclining, curved at the distal end.

Young leaf : Light purplish green ; midrib red.

Mature leaf : Dark green, large, with commonly 7 leaflets ; leaflets plane, with distal halves bending down ; central leaflet 21 ± 0.3 cm. long and 4 ± 0.1 cm. wide.

Petiole scar : Dark purple.

Stem : Yellowish green with shaded red stripes when young, wood-brown to silver-grey when mature.

Flowers : Males scarce, diminitive and abortive ; calyx of females cream with pink lines ; stigma cream ; ovary green with pink ridges.

Capsule : Apple green to light green ; nectary coral red.

Tuber : Of medium size ; surface salmon buff to dirty white, with occasional pink and grey patches ; phelloderm light yellow ; flesh light yellow.

Habit : Branching infrequent ; foliage moderately dense.

Distribution : Herana.

MU. 39

(Kaha-manyokka)

Petiole : 35 ± 0.6 cm. long, light green, inclining, slightly curved at the distal end.

Young leaf : Light purplish green ; midrib yellowish green.

Mature leaf : Dark green, of medium size, with usually 7 leaflets ; leaflets adaxially concave in cross section, bending down at the tips ; central leaflet 22 ± 0.2 cm. long and 5 ± 0.1 cm. wide.

Petiole scar : Bright green.

Stem : Bright green when young, wood-brown when mature.

Flowers : Males few and late ; females more numerous and early ; calyx of males and females yellowish green ; stigma white ; ovary light green.

Capsule : Antique green with light green wings ; nectary carmine.

Tuber : Fat and short ; surface rough, liver brown to kaiser brown ; phelloderm light yellow ; flesh yellow.

Habit : Height of branching variable ; foliage dense.

Distribution : Dambulla.

MU. 40

(Kalu-sinyokka)

Petiole : 31 ± 0.5 cm. long, carmine (colour deepest at the ends), inclining ; distal end slightly curved.

Young leaf : Light purple tinged with green ; midrib red.

Mature leaf : Dark green, of medium size, with usually 7 leaflets ; leaflets moderately divergent, adaxially concave in cross section, with distal halves bending down ; central leaflet 17 ± 0.4 cm. long and 4 ± 0.1 cm. wide.

Petiole scar : Maroon with bright green base.

Stem : Dark green with shaded red stripes when young ; wood brown when mature.

Flowers : Both sexes bloom simultaneously ; calyx of males pale yellowish green ; calyx of females pale yellowish green with faint pink lines ; ovary green with pink ridges.

Capsule : Apple green to light green with pink wings ; nectary coral red.

Tuber : Fat, of medium length ; surface rough, apricot buff to salmon ; phelloderm light yellow ; flesh yellow.

Habit : Branching low and frequent ; foliage dense.

Distribution : Akuressa.

MU. 41

(Sinyokka)

Petiole : 48 ± 0.7 cm. long, red (colour deepest at the ends), slightly sigmoid, inclining, horizontal and declining.

Young leaf : Light green ; midrib red.

Mature leaf : Dark green, large, with commonly 9 leaflets ; leaflets broad, not divergent, with distal halves bending down ; central leaflet 24 ± 0.05 cm. long and 7 ± 0.1 cm. wide.

Petiole scar : Dark purple.

Stem : Yellowish green with red stripes when young, silver grey when mature.

Flowers : Males and females appear in profusion and almost simultaneously ; calyx of males cream with alizarine pink shading ; calyx of females alizarine pink internally and cream externally ; stigma pale pinkish white ; ovary green with pink ridges.

Capsule : Apple green to light green with bright pink wings ; nectary geranium pink.

Tuber : Fat and long ; surface rough, warm buff to dirty white with occasional pink and grey patches ; phelloderm white ; flesh white.

Habit : Commonly unbranched ; occasionally throws out aberrant, early-flowering branches with trifid leaves ; foliage dense.

Distribution : Badulla.

MU. 42

(Pura-miyore)

Petiole : 26 ± 0.9 cm. long, yellowish green shaded dark rose at the ends, slightly sigmoid, inclining, horizontal and declining.

Young leaf : Bright green ; midrib red.

Mature leaf : Dark green, of medium size, with commonly 7 leaflets ; leaflets adaxially concave in cross section, divergent, bending down at the tips ; central leaflet 19 ± 0.6 cm. long and 6 ± 0.2 cm. wide.

Petiole scar : Light purple.

Stem : Yellowish green with faint shaded stripes when young ; wood brown when mature.

Flowers : Males few and abortive ; females more numerous ; calyx of females cream ; stigma white, ovary green.

Capsule : Apple green to light green ; nectary coral red.

Tuber : Slim and long ; surface scaly, kaiser brown to russet brown ; phelloderm white ; flesh white.

Habit : Branching absent or late ; foliage dense.

Distribution : Kalmunai.

MU. 43

(Rata-ala-manyokka)

Petiole : 31 ± 0.7 cm. long, yellowish green shaded rose at the base, inclining, horizontal and declining, curved at the distal end.

Young leaf : Bright green ; midrib yellowish green.

Mature leaf : Dark green, large, with commonly 7 leaflets ; leaflets plane, broad, bending down slightly at the tips ; central leaflet 20 ± 0.45 cm. long and 5 ± 0.1 cm. wide.

Petiole scar : Light purple.

Stem : Bright yellowish green when young, wood brown when mature.

Flowers : Males very rare and abortive ; females very much more numerous ; calyx of females pale green to cream ; stigma white ; ovary light green.

Capsule : Apple green ; nectary pale orange.

Tuber : Of medium size ; surface scaly, kaiser brown to apricot buff ; phelloderm pale pink ; flesh white.

Habit : Branching high and infrequent ; foliage dense.

Distribution : Bibile.

MU. 44

(Seeni-miyore)

Petiole : 30 ± 0.6 cm. long, bright carmine, sigmoid, commonly horizontal.

Young leaf : Light green ; midrib red.

Mature leaf : Bright green, of medium size, with commonly 7 leaflets ; central leaflet 19.5 ± 0.4 cm. long and 5 ± 0.1 cm. wide.

Petiole scar : Pomegranate purple.

Stem : Bright green when young, silver grey when mature.

Flowers : Males and females appear in profusion and almost simultaneously ; calyx of males cream with alizarine pink shading ; calyx of females cream with alizarine pink lines ; stigma white ; ovary yellowish green with pink ridges.

Capsule : Antique green to light green with purple-edged wings ; nectary carmine.

Tuber : Of medium size ; surface slightly scaly, apricot to salmon buff ; phelloderm Venetian pink ; flesh white.

Habit : Branching high and infrequent ; produces aberrant, early-flowering branches with trifold leaves ; foliage moderately dense.

Distribution : Kalmunai.

MU. 45

(Kiri-manyokka)

Petiole : 33 ± 1.0 cm. long, carmine at distal end fading downwards to yellowish green, commonly horizontal and declining, occasionally inclining, curved at distal end.

Young leaf : Light green ; midrib red.

Mature leaf : Dark green, large with 7-9 leaflets ; leaflets lie close together and droop ; central leaflet 20 ± 0.7 cm. long and 5 ± 0.1 cm. wide.

Petiole scar : Brownish red tinged green.

Stem : Bright green when young, wood brown when mature.

Flowers : Males and females appear in profusion and almost simultaneously ; calyx of males cream ; calyx of females cream to light green ; stigma white ; ovary green.

Capsule : Antique green to light green with purple-edged wings.

Tuber : Of medium size ; surface slightly scaly, russet to tawny brown ; phelloderm white ; flesh yellowish white.

Habit : Foliage dense.

Distribution : Eheliyagoda.

MU. 46

(Debal-sinyokka)

Petiole : 26 ± 0.5 cm. long, blackish red, horizontal and inclining, curved at the distal end.

Young leaf : Light green ; midrib red.

Mature leaf : Dark green, of medium size, with commonly 7 leaflets but number varies from 3 to 7 ; leaflets flat, bending down ; central leaflet 18 ± 0.1 cm. long and 5 ± 0.1 cm. wide.

Petiole scar : Blackish purple tinged green.

Stem : Dark green with shaded stripes when young, wood brown when mature.

Flowers : Males and females appear in abundance and almost simultaneously ; calyx of males and females pale green with Bordeaux shading ; stigma light pink ; ovary green with pink ridges.

Capsule : Antique green to bright green ; nectary carmine.

Tuber : Long, of medium thickness ; surface slightly scaly, apricot brown to salmon ; phelloderm Venetian pink ; flesh yellowish white.

Habit : Branching variable ; foliage moderately dense.

Distribution : Kotugoda.

MU. 47

(Alu-manyokka)

Petiole : 38 ± 0.7 cm. long, yellowish green shaded red at the ends; alternately inclining and horizontal, curved at the distal end.

Young leaf : Light green ; midrib yellowish green to faint red.

Mature leaf : Dark green, of medium size, with commonly 7 leaflets ; leaflets plane, divergent, bending down at the tips ; central leaflet 20 ± 0.4 cm. long and 6 ± 0.1 cm. wide.

Petiole scar : Dark green tinged purple on the adaxial side.

Stem : Bright green when young, wood brown when mature.

Flowers : Do not appear.

Capsule : —

Tuber : Fat, of medium length ; surface scaly, kaiser brown to liver brown ; phelloderm light yellow ; flesh yellow.

Habit : Branching high and infrequent ; foliage very dense.

Distribution : Kotugoda.

MU. 48

(Manyokka)

Petiole : 27 ± 0.8 cm. long, bright green with faint rose ring at the base and faint rose shading at the distal end, inclining, slightly curved at the distal end.

Young leaf : Bright purple ; midrib yellowish green.

Mature leaf : Dark green, of medium size, with commonly 7 plane, somewhat divergent leaflets ; central leaflet 18 ± 0.5 cm. long and 5 ± 0.1 cm. wide.

Petiole scar : Maroon.

Stem : Dark green when young, silver grey when mature.

Flowers : Both sexes abound and bloom almost simultaneously ; calyx of males cream with pink shading ; calyx of females pale green with alizarine pink shading ; stigma white ; ovary green with pink ridges.

Capsule : Antique green with pink ridges ; nectary dark green.

Tuber : Fat and short ; surface scaly, tawny brown with occasional pink and grey patches ; phelloderm white ; flesh white.

Habit : Branching variable, foliage sparse.

Distribution : Alawwa.

MU. 49

(Naddu-miyore)

Petiole : 26 ± 0.9 cm. long, yellowish green with rose shading at the ends, horizontal, curved at the distal end.

Young leaf : Bright green ; midrib greenish yellow occasionally tinged with red.

Mature leaf : Dark green, of medium size, with commonly 7 stiff leaflets ; central leaflet 18 ± 0.4 cm. long and 5 ± 0.1 cm. wide.

Petiole scar : Light purple.

Stem : Bright green when young, wood brown when mature.

Flowers : Males few and late ; females more numerous and early ; calyx of females cream ; stigma white ; ovary green.

Capsule : Green ; nectary carmine.

Tuber : Fat and short ; surface scaly, kaiser brown to Hay's russet ; phelloderm white ; flesh white.

Habit : Branching high and infrequent ; foliage dense.

Distribution : Chenkalady.

MU. 50

(Kirinokku)

Petiole : 30 ± 0.8 cm. long, yellowish green with faint rose band at the base, and with rose shading at the distal end, alternately inclining and horizontal, curved at the distal end.

Young leaf : Purplish green ; midrib greenish yellow.

Mature leaf : Yellowish green, of medium size, with commonly 7 leaflets ; leaflets plane, divergent, bending down ; central leaflet 20 ± 0.5 cm. long and 5 ± 0.1 cm. wide.

Petiole scar : Yellowish green.

Stem : Yellowish green when young, silver grey when mature.

Flowers : Males and females appear in profusion and almost simultaneously ; cayx of males and females pale green with alizarine pink shading ; stigma white ; ovary green with pink ridges.

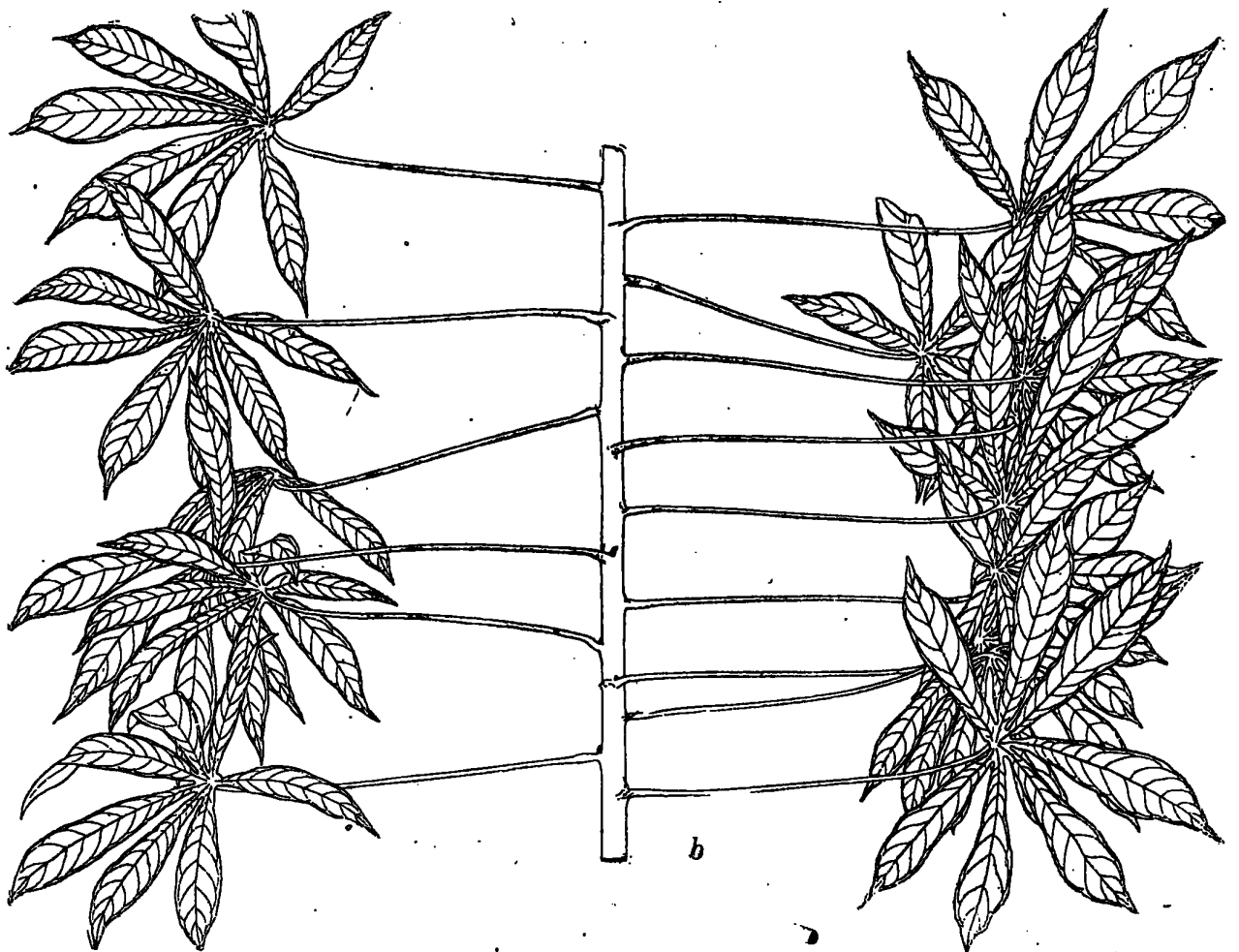
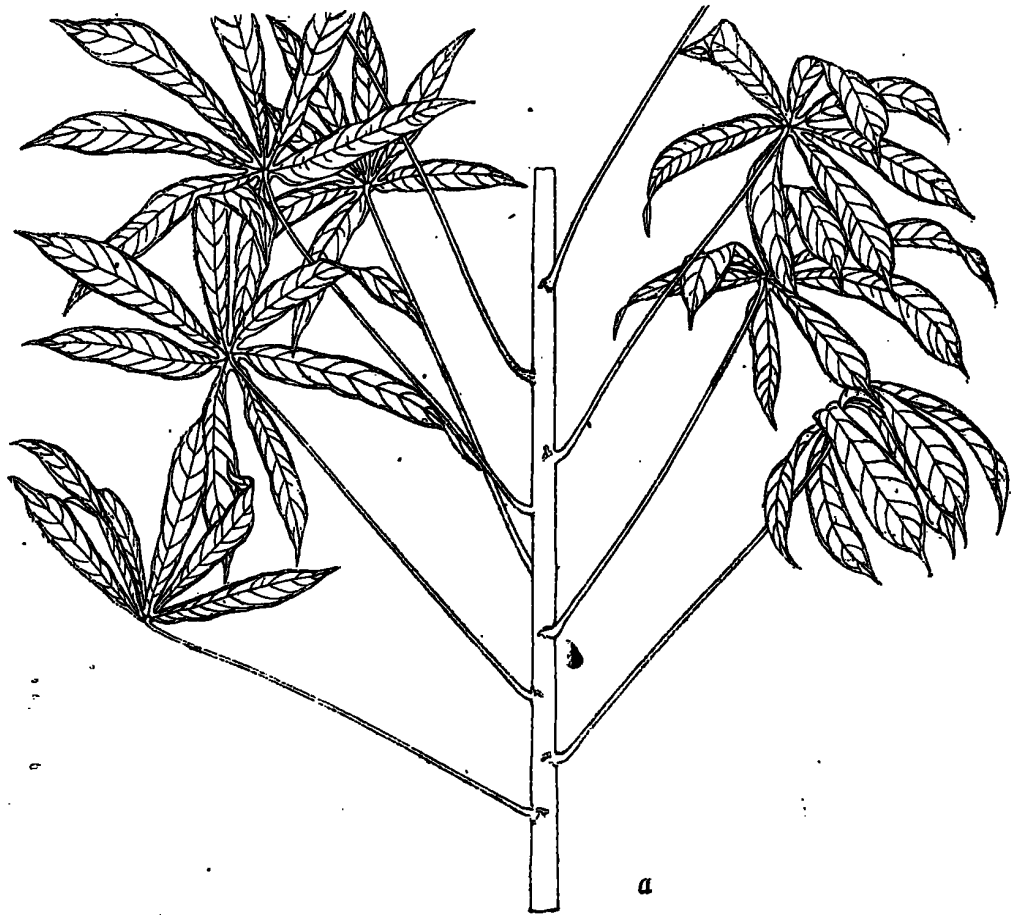
Capsule : Apple green with purple wings.

Tuber : Long, of medium thickness ; surface smooth, tawny brown to warm buff with occasional pink and grey patches ; phelloderm white ; flesh white.

Habit : Habit of branching variable ; foliage of moderate density.

Distribution : Matara.

(Continued)



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FIG. 1.—Illustrating types of petiole orientation.

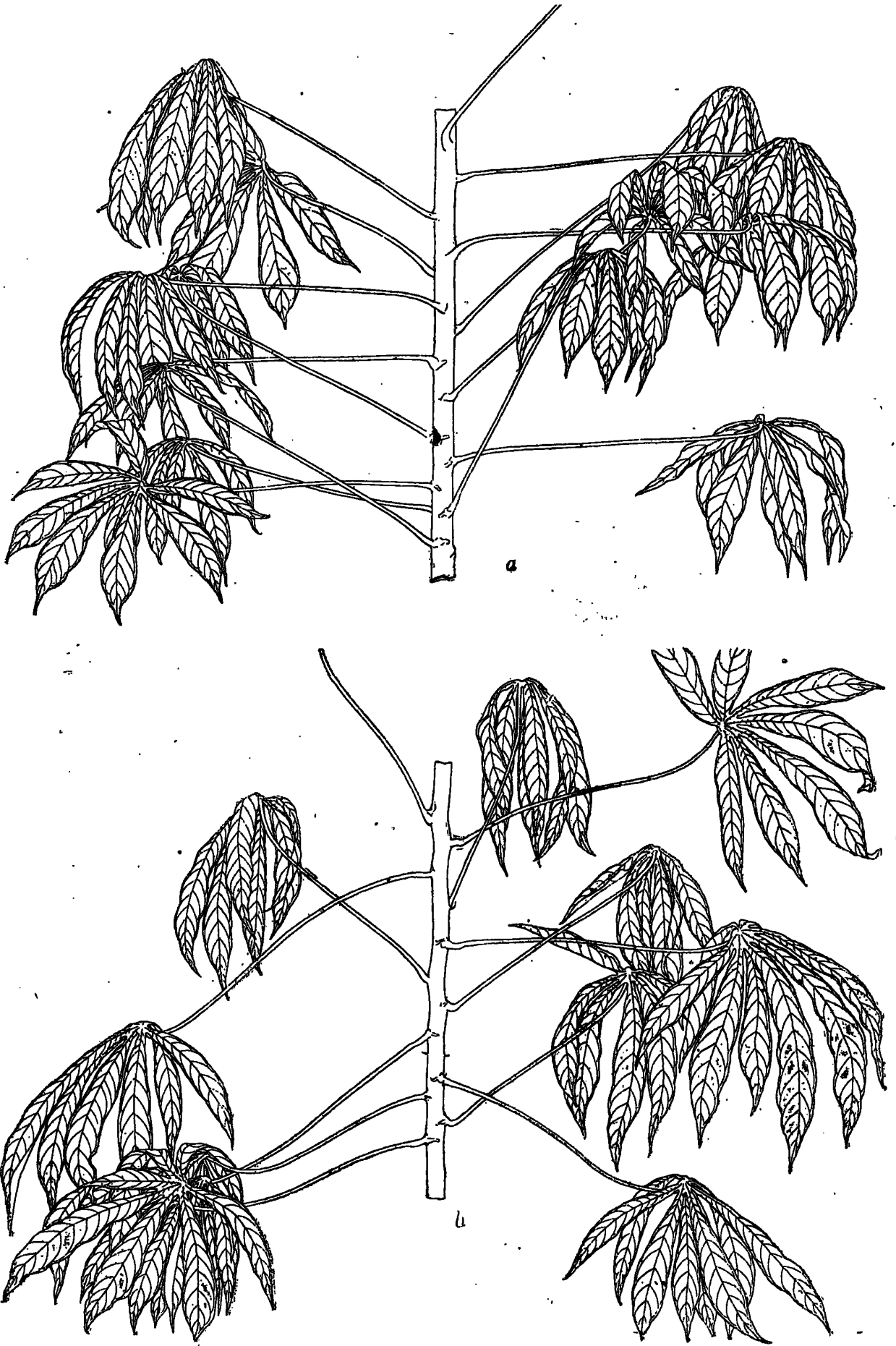
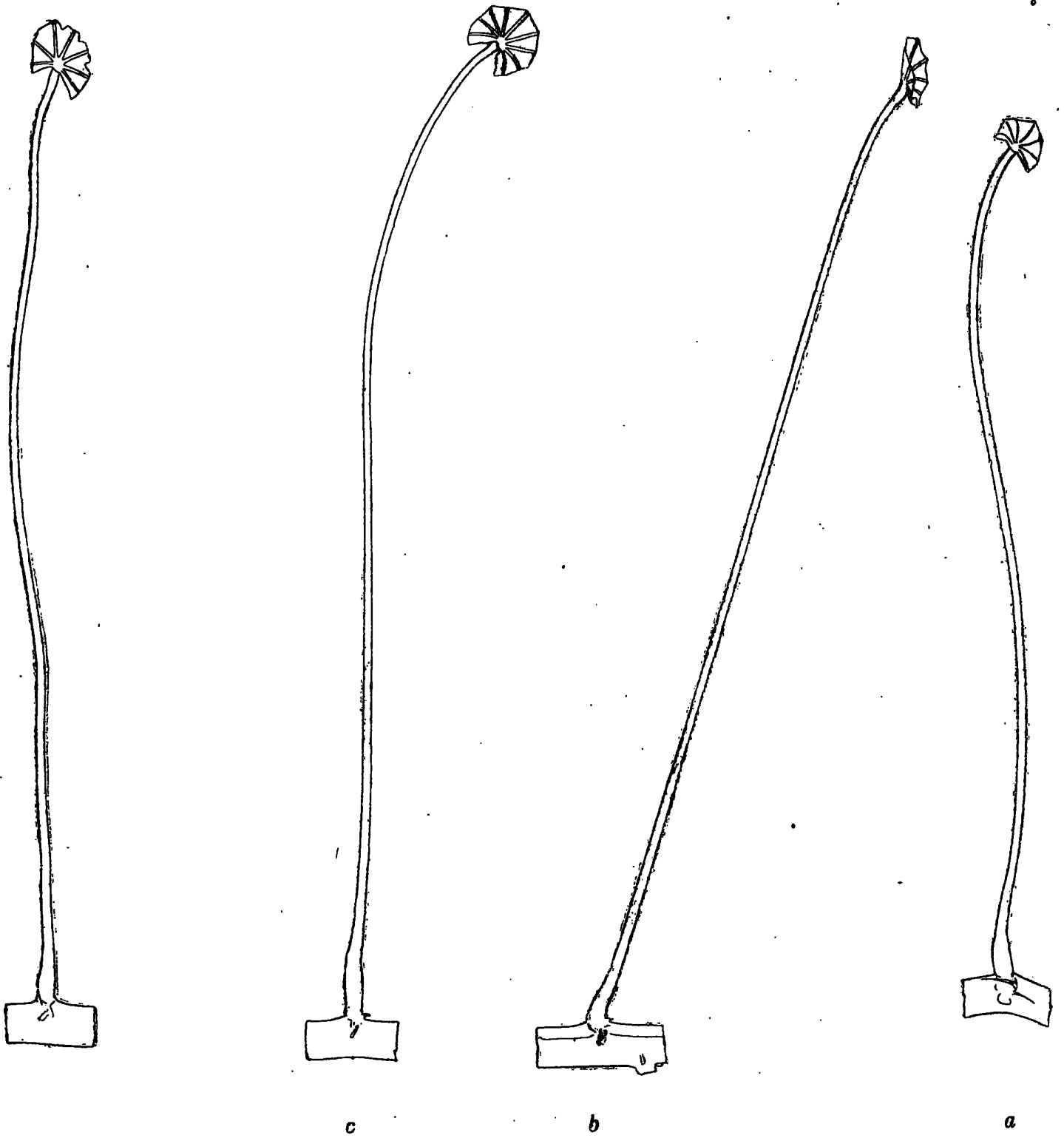


FIG. 2.—Illustrating types of petiole orientation

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FIG. 3.—Illustrating range of petiole shape.