

### III. 2829. Dodel-Port. Atlas der Botanik

Dodel-Port, Arnold. Atlas der Botanik. 1878-93. J.F. Schreiber, Esslingen

Catalogue No.	Published No.	Title	Artist	Description
2829 (1)	XI	Salvia Sclarea		1) Side-view of flower; 2) Mechanical contrivances for cross-fertilization
2829 (3)	IV	Volvox Globator, L.	Dodel-Port, Carolina	1) A sexual monoecious colony; 2) Fertilization of an oogonium; 3) An unripe oospore; 4) A bundle of spermatozoids; 5) Spermatozoids isolated and in active movement; 6) Spermatozoids killed by iodine; 7) A portion of the periphery of a Volvox-sphere
2829 (4)	XII	Murcor Mucedo	Dodel-Port, Carolina	1) Form and branching of a full-grown mycelium; 2) Stalk with young sporangium; 3) Ripe sporangium viewed from the outside; 4) Stalk with columella and collar; 5) and 6) Germinating spores at various stages
2829 (5)	I	Drosera rotundifolia		1) Expanded undisturbed leaf; 2) Leaf with insect imprisoned for two and a half hours; 3) Leaf with insect imprisoned for eighteen hours
2829 (6)	XXXVI	Ophrys arachnites, Reich.		1) The upper part of a flower-stem; 2) The form and habit of the plant in flower; 3) Front view of the stamen; 4) Pencil with attached pollinium
2829 (7)	XX	Aspidium Filix-mas, Sw.	Dodel-Port, Carolina	1) Transverse section of a fertile leaflet and vertical section of a ripe sporangium; 2) A closed ripe sporangium; 3) Representation of a burst ripe sporangium; 4) Two ripe spores; 5) Fertile leaflet with nine sori on its under surface

Catalogue No.	Published No.	Title	Artist	Description
<b>2829 (8)</b>	XV	<i>Puccinia graminis</i> , De Bary.	Tulasne (fig.1); De Bary (fig.7,8)	1) Germinating teleutospore; 2) Three young leaves of barberry; 3) Transverse section of a leaf of barberry attacked; 4) Germinating aecidiospore; 5) Stalk of wheat ( <i>Triticum vulgare</i> ) attacked; 6) Transverse section of a leaf of wheat attacked; 7) Part of a layer of uredospores; 8) Layer of teleutospores on couch-grass ( <i>Triticum repens</i> )
<b>2829 (9)</b>	XXXIII	<i>Lilium Martagon</i> , L. Plate A.	Conrad (lithographer)	1) Form and habit of the plant in flower; 2) Flora diagram, showing the five whorls; 3) Flower enlarged six and a half times, with humming-bird hawk moth cross-fertilizing it; 4) Transverse and longitudinal views of a ripe anther opening; 5) Some pollen-grains held together by oil-drop
<b>2829 (10)</b>	XXVI	<i>Pinus Laricio</i> , var <i>austriaca</i> . Plate B.	Dodel-Port, Carolina	1) The three principal stages of development of the femal cone; 2) Portion of a tangential longitudinal section through femal cone; 3) Femal cone at time of pollination seen from side; 4) Fruit-scale at time of flowering, upper side; 5) Ovule; 6) Ripe fruit-cone, opened; 7) Ripe seeds with wing
<b>2829 (13)</b>	VI	<i>Ulothrix yonata</i>	Dodel-Port, Carolina	AAA) A filament; B) Three zygospores in their resting stage; C) A zygospore one hundred days old; D) A zygospore nine months old; E) A ripe zygospore; F) A young filament; GG) Two groups of young filaments; H) A young jointed filament

Catalogue No.	Published No.	Title	Artist	Description
<b>2829 (14)</b>	XXVI	Aspidium - Prothallium	Dodel-Port, Carolina	1) Prothallium of Aspidium Filix-mas. Germinating spore; 2) A further developed protonema set free twenty-three days; 3) Protonema set free two month and seven days; 4) Prothallium of Aspidium violascens. Prothallium seen from below; 5) Same with fern attached
<b>2829(15)</b>	XXIII	Cycas circinalis, L. & C. revoluta, Thunb.		1) Cycas circinalis, L. Form and habit of a female plant; 2) Young carpellary leaf; 3) An older carpellary leaf; 4) Cycas revoluta, Thunb. A fully-developed carpellary leaf
<b>2829 (17)</b>	V	Volvox minor, Stein.	Dodel-Port, Carolina	1) Oosphere with spermatozoids; 2) Ripe oospore; 3) Rupture of the exosporium; 4) The first division of the contents of spore; 5) Spore-contents forming four daughter-cells; 6) A germinating spore; 7) Young coenobium
<b>2829 (18)</b>	XXI	Equisetum Telmateia, Ehrh.	Dodel-Port, Carolina	1) Development of the aerial shoot; 2) Transverse sections through ripe spike; 3) Separate fertile leaf; 4) and 5) Ripe spore; 6) Barren shoot not yet completely developed
<b>2829 (19)</b>	XXXIX	Passiflora		1) An open flower of the hybrid form P. coerulea-alata; 2) Median longitudinal section of an opened flower; 3) Fragment of a flower-bearing branch; 4) Fragment of a fruit-bearing branch
<b>2829 (20)</b>	XXII	Selaginella helvetica Spr.	Dodel-Port, Carolina	1) Form and habit of the reproductive plant; 2) Longitudinal section through fertile spike; 3) A young sporangium; 4) Tetrahedral diversion of a spore-mothe-cell; 5) Ripe macrospore; 6) Four ripe microspores; 7) Leaf from the fertile spike, with ripe macrosporangium

Catalogue No.	Published No.	Title	Artist	Description
<b>2829 (21)</b>	XVIII	<i>Polytrichum gracile</i>	Dodel-Port, Carolina	1) Form and habit; 2) Median longitudinal section through nearly-ripe spore; 3) Ripe capsule after removal of the operculum; 4) Operculum of spore-capsule; 5) A ripe spore in optical section; 6) A ripe spore crushed by pressure; 7) Transverse section through a ripe capsule; 8) Two germinating spores
<b>2829 (24)</b>	IX	<i>Chara fragilis</i>	Braun, A.	1) Portion of a plant in fruit; 2) Portion of a young leaf; 3) Portion of a fertile leaf; 4) Ripe oospore
<b>2829(25)</b>	XXXVII	<i>Cydonia vulgaris</i> , Pers.		1) A flower-bearing Branch; 2) An open flower with honey-seeking bee; 3) Vertical section through a flower; 4) Ripe quince fresh from the tree; 5) Same in vertical section; 6) Same in transverse section
<b>2829 (29)</b>	XXX	<i>Cuscuta glomerata</i> , Choisy.	Dodel-Port, Carolina	1a) <i>Cuscuta glomerata</i> flowering and fruiting; 1b) Vegetating shot; 2) Flowering shot; 3) Transverse section of stem of <i>solidago Muhlenbergii</i> attacked by <i>C. glomerata</i> ; 4) Portion of inflorescence; 5) Median vertical section of flower; 6) Side-view of flower; 7) Young fruit
<b>2829 (30)</b>	XIII	<i>Peziza</i>	Dodel-Port, Carolina	1) Fructification of <i>P. aurantia</i> ; 2) Longitudinal vertical section; 3) Portion of longitudinal section; 4) Portion of hymenial and sub-hymenial layers
<b>2829 (34)</b>	XXXIX	<i>Phaseolus coccineus</i> , L.		1) Habit of the upper twining stem-portions; 2) Portion of inflorescence; 3) An opened flower; 4) Opened flower with vexillum; 5) Keel highly magnified; 6) Vertical median section of open flower; 7) Upper end of style; 8) Branch-portion with foliage-leaf

Catalogue No.	Published No.	Title	Artist	Description
<b>2829 (35)</b>	XVII	Marchantia (Archeogonium&Antheridium)	Dodel-Port, Carolina	1) and 2) Portions of thallus; 3) Principal figure; 4) Small piece of thallus; 5) Fragment of section through male inflorescence; 6) Fragment of section enlarged 400 times; 7) Ripe female disc; 8) A ripe and opened sporogonium; 9) Ripe spores
<b>2829 (38)</b>	none	Pinus Laricio	Strasburger, E.	1) One-year-old cone of P. Laricio; 2) Same in median longitudinal section; 3) Ovule of one-year-old cone in section; 4) Upper part of an archeogonium; 5) Upper part of an archeogonium at moment of fertilization; 6) Embryo-cell; 7)-9) Development of rudimentary embryos; 10) Embryo of P. Pumilio in longitudinal section

**Note:** Catalogue Number refers to the *Royal Botanic Garden Edinburgh, Catalogue of Diagrams, 1904*. Glasgow, HMSO, 1904.