

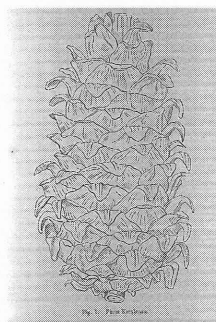
The pines and firs of Japan

Murray, A.

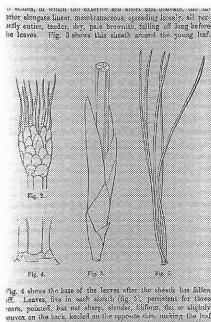
日本の松と樅

マレー, A.

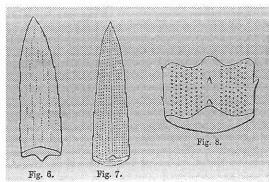
00087898



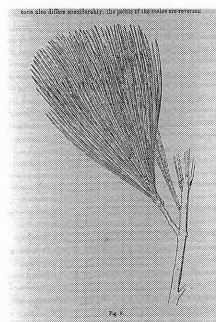
Pinus koraiensis.
チョウセンマツ[球果]



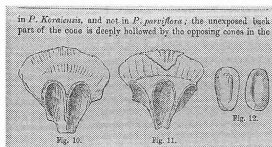
[チョウセンマツ. 2. 芽. 3. 葉鞘. 4. 葉鞘の落ちた後の葉の根元. 5. 五葉]



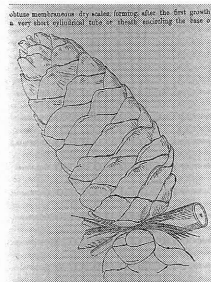
[チョウセンマツの葉. 6. 気孔のない背面. 7. 8. 気孔のある腹面2側]



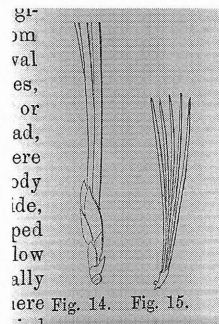
[チョウセンマツ. 枝先に叢生する葉]



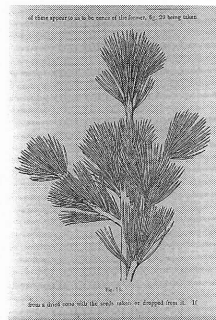
[チョウセンマツ. 10, 11. 果鱗. 12. 種子]



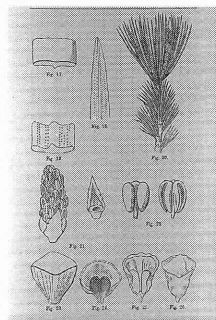
Pinus parviflora.
ゴヨウマツ[球果]



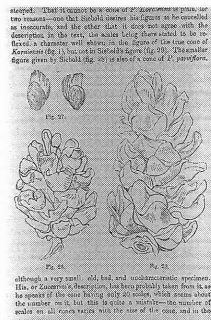
[ゴヨウマツの葉. 14. 根元を葉鞘が包んでいる. 15. 五葉束生]



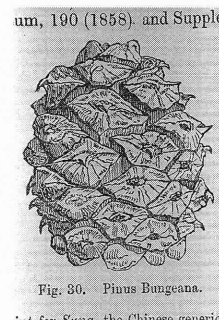
[ゴヨウマツ. 密集する束生葉]



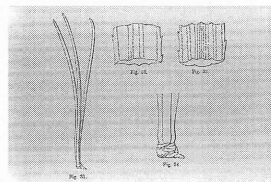
[ゴヨウマツ. 25, 26. シーボルトによる果鱗]



[ゴヨウマツ. 28. シーボルトとツッカーニによるゴヨウマツの球果. 29. シーボルトとツッカーニによるチョウセンマツの球果]



Pinus bungeana.
シロマツ[球果]



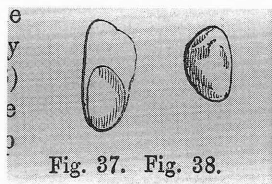
[シロマツの葉. 31. 三葉. 32. 背面の気孔. 33. 腹面の気孔. 34. 葉鞘]

frequently afterwards very distant, owing to the rapid elongation of the young shoot." Cones (fig. 39), ovate or slightly ob-

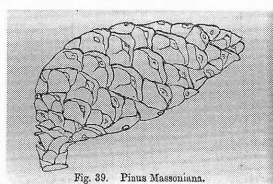


broadest near the base, two inches and a half long, and one inch in diameter, and terminating obtusely. Scales (fig. 36) the apophysis from half to three-quarters of an inch

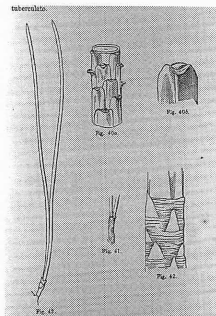
[シロマツ. 35. 果鱗の外側. 36 a, b. 果鱗の内側]



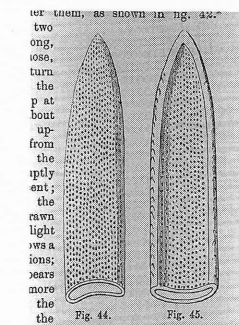
[シロマツの種子. 37. 短い翼がついている. 38. 種子そのもの]



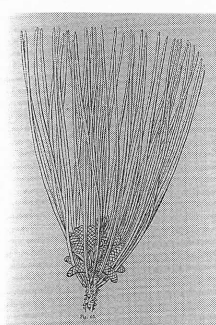
Pinus Massoniana.
クロマツ [球果]



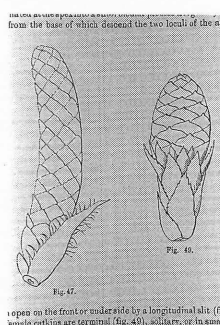
[クロマツ. 40 a, b. 鱗状にはがれ落ちる樹皮. 41. 束生する二葉を包んでいる葉鞘. 42. 葉鞘の詳細]



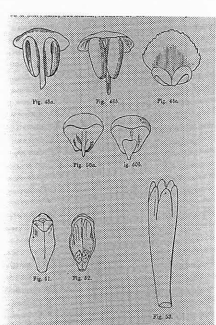
[クロマツの葉. 44. 背面の気孔. 45. 腹面の気孔]



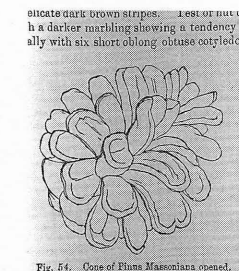
[クロマツ. 花]



[クロマツ. 47. 雄花序. 49. 雌花序]

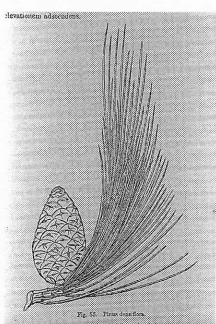


[クロマツ. 48. 雄ずい. 50. 雌花序の鱗片. 51, 52. 熟した球果の鱗片. 53. 胚]

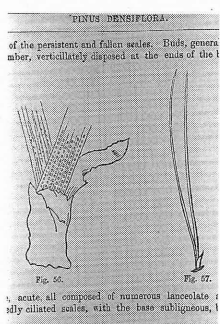


Cone of Pinus Massoniana opened.

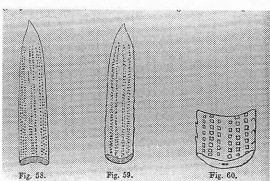
開いたクロマツの球果



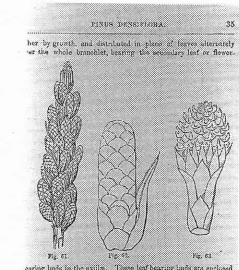
Pinus densiflora.
アカマツ [球果]



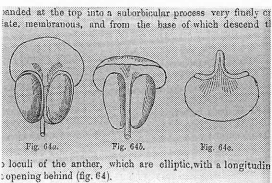
[アカマツ. 56. 葉鞘に包まれた束生葉. 57. 二葉]



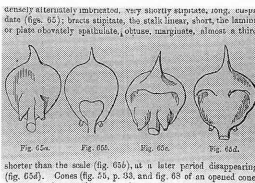
[アカマツの葉. 58. 背面の気孔. 59, 60. 腹面の気孔]



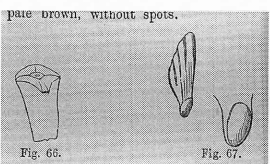
[アカマツ. 61. 雄花序. 62. 雄花序. 63. 雌花序]



[アカマツ. 雄ずい]



[アカマツ. 雌花序の鱗片]



[アカマツ. 66. 果鱗. 67. 種子]

Fig. 66. mentioned, this tree is so closely allied to it is not without great hesitation that

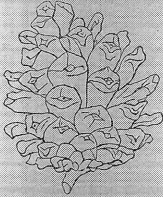
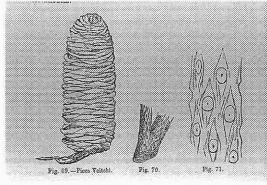


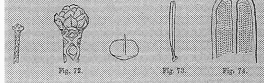
Fig. 67. Cone of *Pinus Densiflora* opened, as distinct. But although the cones are distinguishing them as slight, they are any difficulty in identifying them.

Cone of *Pinus Densiflora* opened.
開いたアカマツの球果



Picea Veitchii.
シラベ[69. 球果. 70. ざらざらした枝. 71. 葉印]

and leaves (fig. 70) are densely appressed, serrate, more or less linear, with a groove in the middle of the upper face, flat linear, with a groove in the middle of the upper face.



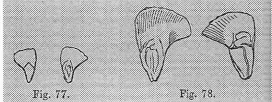
[シラベ. 72. 芽. 73. 葉. 74. 葉の気孔]

and there (figs. 75 and 76, outer and inner side); the buds are rounded towards the base, rounded truncate at the apex, with a small tooth, being the continuation of the midrib, projecting from the middle. The seeds and wings (fig. 77, and fig. 78) are fawn-coloured, wedge-shaped, with a very slight

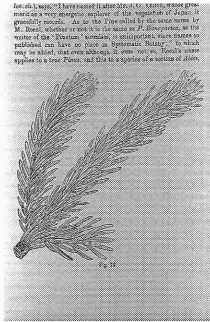


[シラベ. 果鱗]

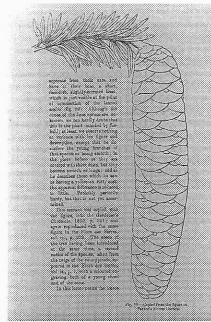
middle. The seeds and wings (fig. 77, and fig. 78) are fawn-coloured, wedge-shaped, with a very slight



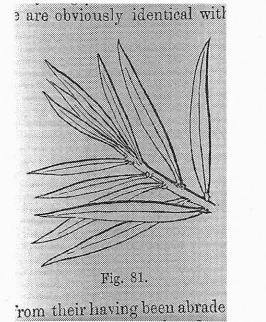
[シラベ. 種子]



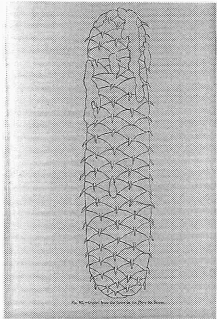
[シラベ. 葉]



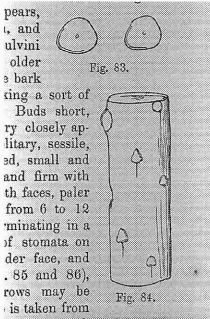
Copied from the figure in Paxton's Flower Garden.
バックストンの植物図譜中の図の複製



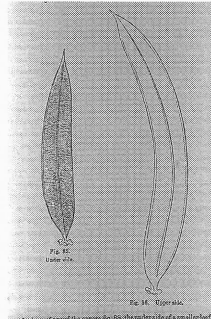
[福建油杉の葉]



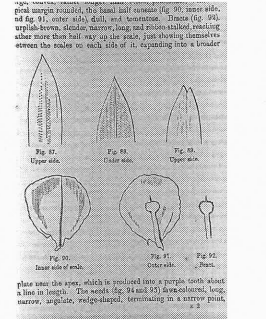
Copied from the figure in the Flore des Serres.
「温室植物」中の図の複製



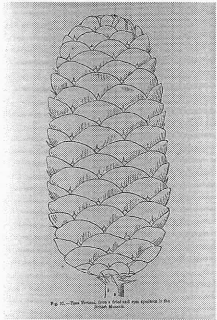
[福建油杉, 若枝]



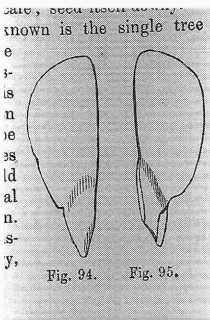
Under side. Upper side.
[福建油杉の葉]. 85. 下面. 86. 上面



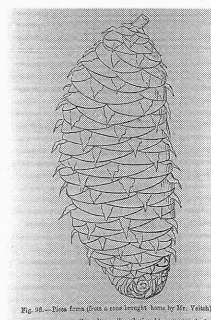
Upper side. Under side. Upper side. Inner side of scale. Outer side. Bract.
[福建油杉]. 87. 葉の上面. 88. 葉の下面. 89. 葉の上面. 90. 果鱗の内側. 91. 果鱗の外側. 92. 苞鱗



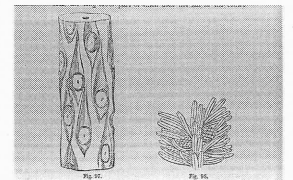
Picea Fortuni, from a dried and open specimen in the British Museum.
福建油杉[球果], 大英博物館にある乾燥標本



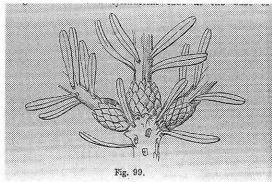
[福建油杉の種子]



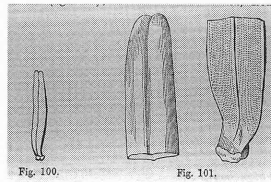
Picea firma (from a cone brought home by Mr. Veitch).
モミ(ヴィーチ氏の持ち帰った球果より)



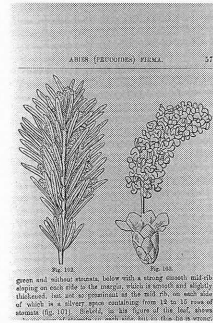
[モミ. 97. 枝. 98. 鱗片に包まれた芽]



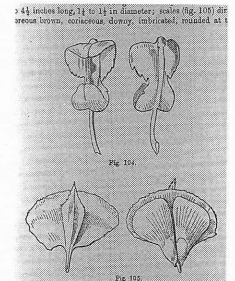
[モミ. 宿存している鱗片]



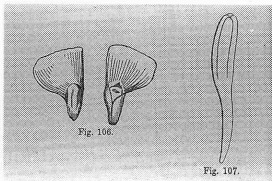
[モミの葉. 101. 気孔のある面
とない面]



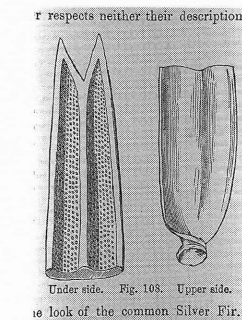
[モミ. 102. 雄花序. 103. 雄
花の根元の鱗片]



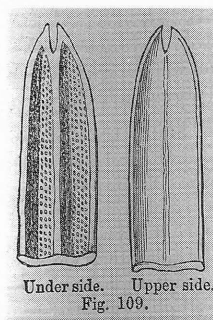
[モミ. 104. 葇. 105. 果鱗]



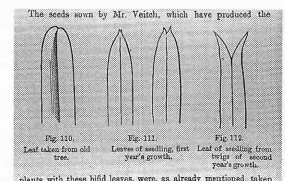
[モミ. 106. 種子. 107. 子葉]



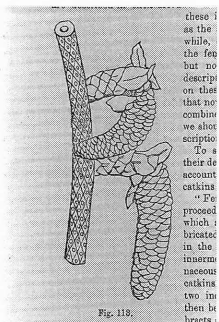
Under side. Upper side.
[シーボルトとツッカーニの
描いたモミの若木の葉]. 下面.
上面



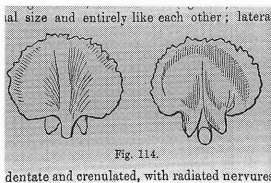
Under side. Upper side.
[シーボルトとツッカーニの
描いたウラジロモミの葉].
下面. 上面



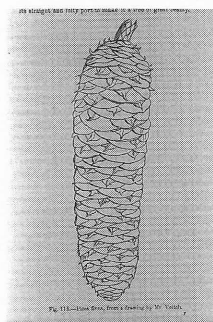
Leaf taken from old tree. [etc.]
老樹の葉[他]



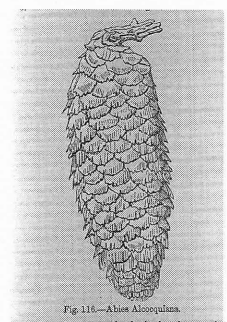
[モミ. 雌花序]



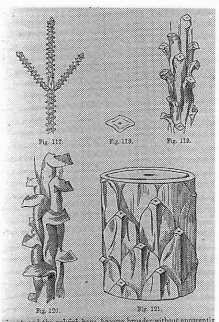
[モミ. 苞鱗と種鱗]



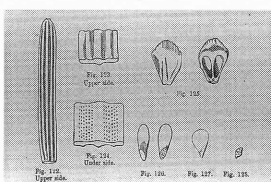
Picea firma, from a drawing by
Mr. Veitch.
ヴィーチ氏の描いたモミ[球果]



Abies Alcockiana.
イラモミ[球果]

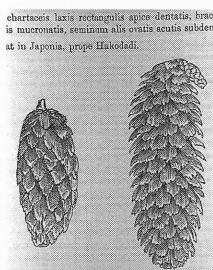


[イラモミ. 117. 小枝. 118.
葉枕の横断面. 119. 120. 葉枕
を持った若枝. 121. 老樹の枝
の葉枕]

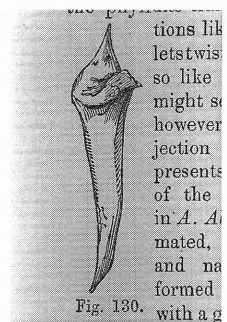


Upper side. Upper side. Under
side.

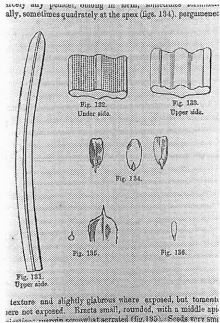
[イラモミ. 122, 123. 葉の上面.
124. 気孔のある葉の下面. 125.
果鱗. 126. 種子. 127. 種子の
翼. 128. 種子そのもの]



Abies microsperma.
エゾマツ[球果]



[エゾマツ. 葉枕]



Upper side. Under side. Upper side.

[エゾマツ]. 131. 葉の上面. 132. 葉の下面, 気孔がある. 133. 葉の上面. 134. 果鱗. 135. 苞鱗. 136. 種子

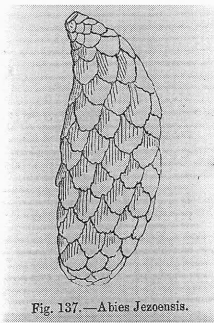


Fig. 137.—*Abies jezoensis*.

Abies jezoensis.
エゾマツ [球果]

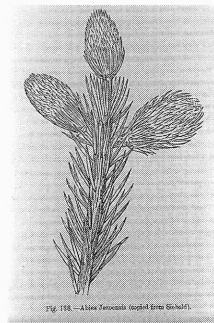
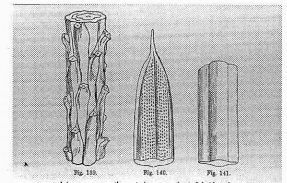


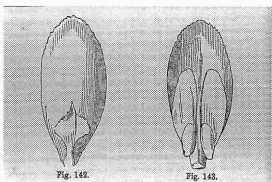
Fig. 138.—*Abies jezoensis* (copied from Siebold).

Abies jezoensis (copied from Siebold).

エゾマツ (シーボルトの絵の複写)

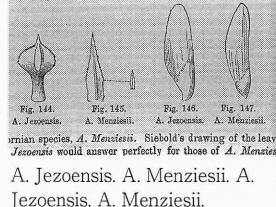


[エゾマツ. 139. 葉枕. 140. 葉の気孔のある側. 141. 葉の気孔のない側]

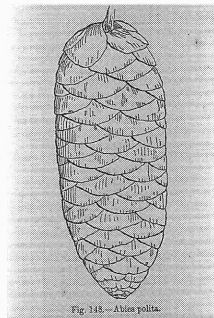


[エゾマツ. 142. 苞鱗の見える果鱗. 143. 種子の見える果鱗]

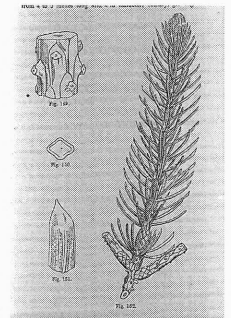
tion. Thus regarded, we have no difficulty in detaining u among the spruces. It obviously comes very close to th



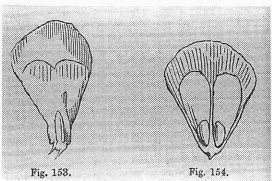
144. エゾマツの苞鱗. 145. アメリカタガサワラの苞鱗. 146. エゾマツの種子. 147. アメリカタガサワラの種子



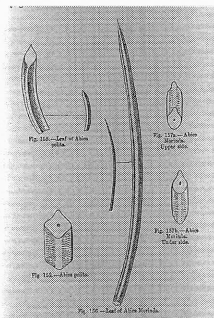
Abies polita.
ハリモミ [球果]



[ハリモミ. 149. 葉枕. 150. 葉枕の先端. 151. 気孔をもつ葉. 152. 小枝]



[ハリモミ. 果鱗]



Abies polita. Leaf of *Abies polita*. Leaf of *Abies Morinda*. *Abies Morinda*. Upper side. *Abies Morinda*. Under side. 152. ハリモミの葉. 155. ハリモミの葉. 156. ヒマラヤハリモミの葉. 157. ヒマラヤハリモミの葉. a. 上面. b. 下面

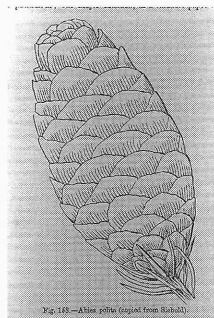
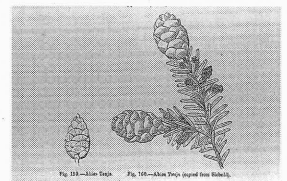
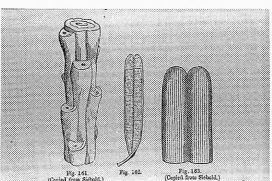


Fig. 158.—*Abies polita* (copied from Siebold).

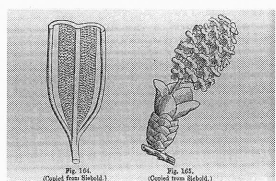
Abies polita (copied from Siebold).
ハリモミ [球果] (シーボルトの絵の複写)



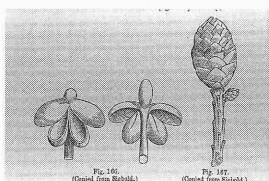
Abies tsujii. *Abies tsujii* (copied from Siebold).
159. ツガ (球果). 160. ツガ (シーボルトの絵の複写)



(Copied from Siebold).
[ツガの葉枕] (シーボルトの絵の複写)



(Copied from Siebold).
[ツガ]. 164. [葉の気孔] (シーボルトの絵の複写). 165. [雄花序] (シーボルトの絵の複写)



(Copied from Siebold).
[ツガ]. 166. [雄ずい] (シーボルトの絵の複写). 167. [雌花序] (シーボルトの絵の複写)

g. 168, back, and fig. 169, imbricated, coriaceous, glabr

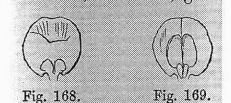


Fig. 168.

Fig. 169.

Fig. 170.

mentose inside and on the o ing scales, and somewhat

[ツガ. 168, 169. 種鱗. 170. 苞鱗]

bracts (fig. 170) short, rarely bilobed. Seeds (figs. 169 and 171), lateral, somewhat compressed

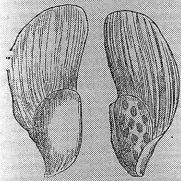
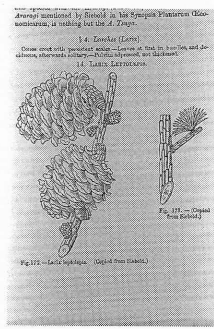


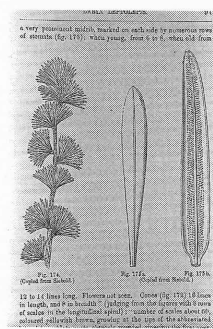
Fig. 171.—(Copied from Siebold.)

ze on the test, and with globose; the wing pale, ferruginous, densely expanded from the seed

(Copied from Siebold.)
[ツガの種子] (シーボルトの絵の複写)



Larix leptocephala. (Copied from Siebold.)
カラマツ (シーボルトの絵の複写)



(Copied from Siebold.)
[カラマツ] (シーボルトの絵の複写)

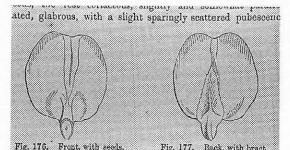
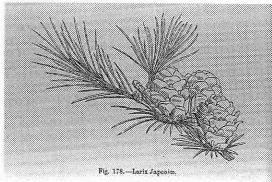


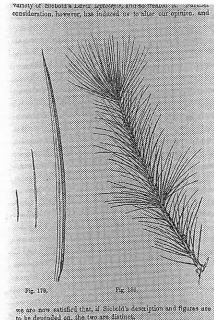
Fig. 176. Front, with seeds. Fig. 177. Back, with bract. (Copied from Siebold.)

cinereous brown. Bracts (fig. 177) lanceolate, membranous

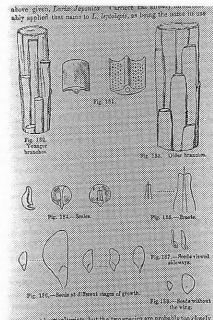
Front, with seeds. Back, with bract. (Copied from Siebold.)
[カラマツの果鱗]. 176. 種子を持っている前部. 177. 苞鱗のついている後部 (シーボルトの絵の複写)



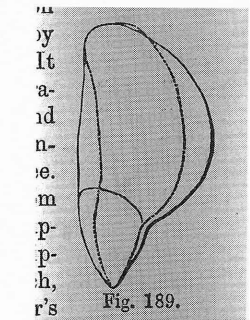
Larix japonica.
カラマツ



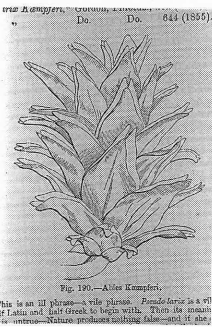
[カラマツ]



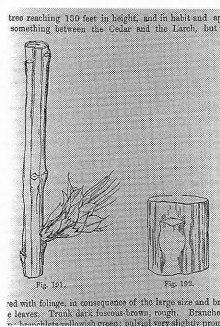
Younger branches. Older branches.
[カラマツ] 若枝. 老齡の枝



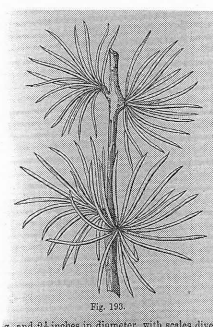
[カラマツ. 種子]



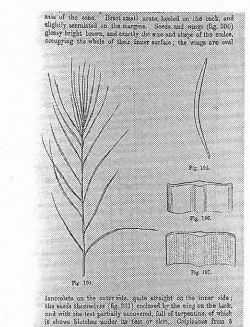
Abies kaempferi.
イヌカラマツ [球果]



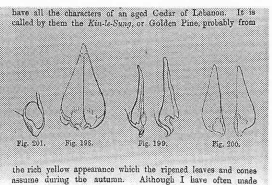
[イヌカラマツ. 葉枕]



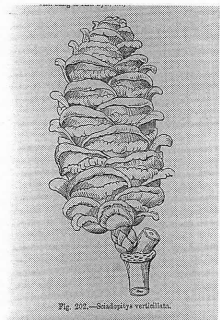
[イヌカラマツ. 葉をつけた老齡の枝]



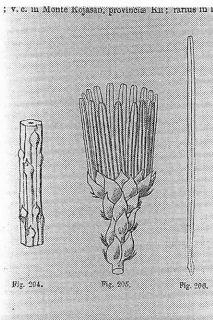
[イヌカラマツ. 194. 苗条. 195-197. 葉]



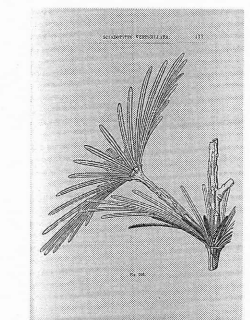
[イヌカラマツ. 198, 199. 果鱗. 200. 種子と翼. 201. 種子そのもの]



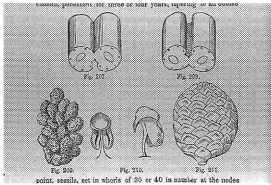
Sciadopitys verticillata.
コウヤマキ [球果]



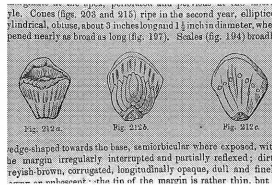
[コウヤマキ. 204. 葉枕. 205. 葉の出てきた芽. 206. 葉]



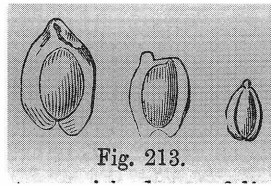
[コウヤマキ. 枝葉]



[コウヤマキ. 207. 葉の上面.
208. 葉の下面, 薄に気孔がある.
209. 雄花序. 210. 雄ずい.
211. 雌花序]



[コウヤマキ. 212 a. 苞鱗.
212 b, c. 果鱗の中の種子]



[コウヤマキ. 種子]

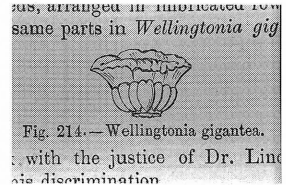
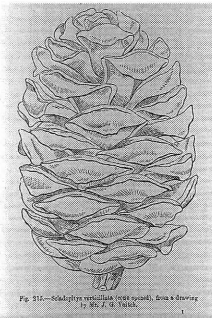
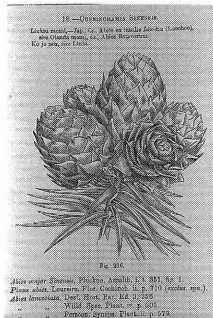


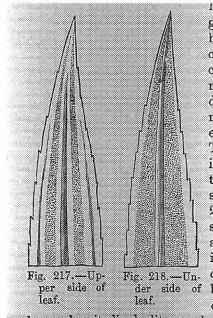
Fig. 214.—Wellingtonia gigantea.
with the justice of Dr. Lind-
bergh's discrimination
Wellingtonia gigantea.
セコイアオスギ[果鱗の中の種
子]



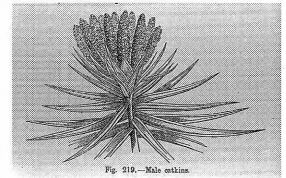
Sciadopitys verticillata (cone
opened), from a drawing by
Mr. J. G. Veitch.
コウヤマキ(開いた球果), J. G.
ヴェーチ氏の絵より



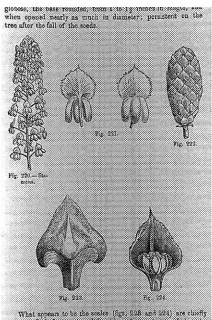
[コウヨウザンの球果]



Upper side of leaf. Under side
of leaf.
[コウヨウザン]. 217. 葉の上
面. 218. 葉の下面

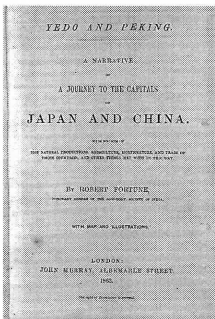


Male catkins.
[コウヨウザン]. 雄花序



Stamens.

[コウヨウザン]雄ずい……



Yedo and Peking: a narrative of a journey to the capitals of Japan and China

Fortune, R.

江戸と北京：日本と中国の首都への旅行記

フォーチュン, R.