

GROUP 2.

J. CALDWELL, Esq. and Mrs. de CHAZAL MOON,—

- 44 Plates of Lithographed Canes, introduced into Mauritius by Mr. Caldwell, and painted from nature, in New Caledonia, by Mrs. Moon.
- 1 Report on New Caledonia.
- 1 Classifying Sugar Canes.
- 16 Plates, original painted in Queensland.
- 6 Ditto " " New South Wales.
- 36 Ditto " " Mauritius.

(All cultivated in Mauritius.)

*Sugar Canes painted from nature.*

OF QUEENSLAND.

Nos. 61 Tugi.	Nos. 69 Tabor Socrat.
62 Red Ribbon Cane.	70 Trebæ.
63 Tabor Socrat.	71 Black Cheribon.
64 " Rappæ.	72 Green à Rose Ribbon.
65 " " var.	73 Caledonian "
66 " Mera.	74 " "
67 " Pæti.	75 Mauritius "
68 " Djœndgœng.	76 Queensland "

OF NEW SOUTH WALES.

Nos. 1 Bourbon.	Nos. 4 Bales Ribbon.
2 Bales Ribbon.	5 Light Purples.
3 " "	6 Dark "

## IN MAURITIUS.

1 Plaines St. Pierre.	19 Mapou blanche.
2 Belouguet verte.	20 " marbrée.
3 " blanche.	21 Souchoniam.
4 " ordinaire.	22 Bois rouge bonde.
5 " vernissée.	23 Mignonne.
6 Grande Baie.	24 Abondance.
7 Tamarin.	25 Malamane.
8 Diard verte.	26 Chicaga.
9 " blanche.	27 Reine blanche.
10 Malabarde.	28 Egyptian striped.
11 Ghungham.	29 " yellow.
12 Tiboo Haur.	30 Bambou Ghinghan.
13 Tahiti blanche.	31 " verte.
14 Tahiti verte.	32 " rose.
15 Flaquine.	33 Bantang.
16 Giraffe.	34 Saïgon.
17 Elephant.	35 Reïnette.
18 Mapou Rouge.	36 Avenir.

*Sections of 62 kinds of Woods growing in Mauritius or from indigenous trees found in the Forests.*

- 1 Labourdonnasia glauca.
- 2 Colophonia Mauritiana (B. Colophane).
- 3 Jossinia lucida (B. de Clous).
- 4 Jambosa venosa (one specimen).
- 5 Blackwellia glauca (B. Sagai, grandes feuilles).
- 6 Labourdonnasia revoluta (B. de Natte).
- 7 Haronga Madagascariensis (B. Haronge).
- 8 Olea lancea (B. Sauvage) Olivier.
- 9 Calophyllum spectabile (B. Tatamaka).
- 10 Memecylon trinerve (B. de Canne).
- 11 Antidesma Madagascariens.
- 12 Syzgium obovatum (B. de Bœuf).
- 13 Securinega nitida (B. Dur), one specimen.
- 14 Melicocca diversifolia (B. Gaulettes).
- 15 Diospyros reticulata (B. d'Ebène Batard).
- 16 Syzgium sp.
- 17 Erythrospermum sp.
- 18 Mimusops angustifolia (B. de Natte, petites feuilles).
- 19 Jossinia mespiloides (B. Nefie).
- 20 Erythroxyton sideroxyloides.
- 21 Syzgium sp. (B. Calebasse).
- 22 Quivisia ovata (B. Quisi).

*Sections of 62 kinds of Woods.—Continued.*

- 23 *Psathura myrtifolia* (B. Cassant).  
 24  
 25 *Gaertnera vaginata* (B. Cofé).  
 26  
 27 *Fropiera Mauritianæ*.  
 28 *Elæodendron orientale* (B. Olive).  
 29 *Prockia* species.  
 30 *Erythrospermum* sp. (B. Bigagnon).  
 31 *Ehretia petiolaris* (B. Betel).  
 32 *Diospyros melanida* (B. d'Ebène marbré).  
 33 *Tabernæmontana Mauritianæ* (B. de Lait à feuilles jaunâtres).  
 34 *Mimusops Imbricaria* (B. de Natte).  
 35 *Sideroxylon cinerum* (Tambalacoque).  
 36 *Mithridatea tamburissa* (B. Tambour).  
 37 *Diospyros melanida*.  
 38 *Croton* sp. (B. Violon).  
 39 *Calycodaphne cupularis* (B. Cannelle, blanc).  
 40 *Blackwellia integrifolia*.  
 41 *Cupania lævis* (B. Sagai).  
 42 *Badula reticulata* (B. Pintade).  
 43 *Mimusops* sp. (Pomme de Songe).  
 44 *Erythroxyloides lancifolium* (B. à Flambeaux).  
 45  
 46 *Gastonia cutispongia* (B. d'Eponge).  
 47 *Terminalia Catappa* (Budamier).  
 48 *Heriteria littoralis*.  
 49 *Nephelium Litchi* (Litchi).  
 50 *Syzygium Jambolana* (Jamlongue).  
 51 *Accasia elata* (B. Noir blanc).  
 52 *Lagerstræmia indica* (Goyavier fleur).  
 53 *Hæmatoxyloides Campechianum* (Campeche-Logwood).  
 54 *Imbricaria coriacea* (Pomme Jacquot).  
 55 *Camphora officinarum* (Camphor).  
 56 *Morinda citrifolia* (Murier de Java, B. Jaune)—Chinese prepare a yellow dye from the bark of its roots.  
 57 *Flacourtia Ramontchi* (Prunier de Madagascar).  
 58 *Nephelium Longan* (Longan).  
 59 *Psidium Indicum* (Goyavier de Chine).  
 60 *Accacia Lebbek* (B. Noir).  
 61 *Hymenæa verrucosa* Copalier (one specimen).  
 62 *Tetranthera laurifolia*.  
 63 *Artocarpus integrefolius* (Jacquier).  
 64 *Cinnamomum Cassia*, Bitter Cinnamon (Cannallier).  
 65 *Casuarina equisetifolia* (Filao).

*Note 1.*—Numbers (in Roman characters) corresponding with those in the margin are cut in the back of each specimen, and the specimens will thus be identified with the names in the list.

*Note 2.*—The “Gomti” fibre is not named, but will easily be distinguished, as it is used in Botanical Garden, Box marked 4, to pack the bottles containing the Nutmegs.

*Note 3.*—It is my wish that the fibres, woods, and nutmegs be handed to the Museum at Vienna after the Exhibition.

J. HORNE,

Sub-Director, Royal Botanical Gardens.

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*List of Fibres sent from the Royal Botanical Gardens,  
Mauritius.*

- Caladium purpurescens.  
 Ditto, a species of.  
 Fourcroya gigantea (a very valuable fibre for Ropes, &c.).  
 Agave Americana variegata.  
 Musa textilis (Manila Hemp).  
 Musa, variety “Red-fruited Banana.”  
 Abutilon, variety “Duc de Malakoff.”  
 Bæhmeria nivea, “China grass.”  
 Musa violacea.  
 „ Paradisica, “Seed-bearing Banana.”  
 Hibicus mutabilis, “Passe Rose.”  
 Helicteres hirstua.  
 Dracæna Mauritiana.  
 Bromelia spectrum.  
 Musa, species “Square-fruited Banana.”  
 Sida glutinosa.  
 Agave Mexicana.  
 Guazuma tomentosa.  
 Ficus, a species of.  
 Morus tartarica, “Chinese Mulberry.”  
 Isora corylifolia.  
 Daphne viridiflora.  
 Pandanus utilis.  
 Hibicus lilifloris.  
 Milochia tilæfolia.  
 Carludovica palmata.  
 Cordia mixta.

*List of Fibres sent from the Royal Botanical Gardens,  
Mauritius.—Continued.*

- Livistona Mauritiana.  
 Latania aurea.  
 Ropolocarpus lucidus.  
 Sagus Ruffia (Ruffia).  
 Malvaviscus arboreus.  
 Strelitzia juncea.  
 Sansevieria cylandrica } These plants are said to yields the  
 " Ceylonica } strongest known fibres.  
 " latifolia }  
 Yucca gloriosa.  
 Agave Americana (used for making Ropes).  
 Ficus, a species of.  
 Urania (Ravenalla) Madagascariensis.  
 Sturculia, a species of.  
 Sansevieria zebrina.  
 Paudanus latifolius.  
 Musa, variety "Otahiete Banana."  
 Sida velutina.  
 Pine Apple (Fibre from cultivated varieties).  
 Alpinia magnifica.  
 Heliconia gigantea.  
 Strelitzia Reginae.  
 Theobroma Cacao.  
 Dracæna (Fibre extracted from the Stems).  
 Ficus, a species of.  
 Hibicus, a species from Central Africa.  
 Colocasia antiquorum.  
 Ananas bracteatum.  
 Ficus Indica.  
 Pterospermum acerifolmi.  
 Hibiscus esculentus.  
 " populnea.  
 Sponia orientalis.  
 Paritium tilaceum.  
 Gomti. From the trunks of Arenga saccharifera: is much used  
 as a substitute for horse-hair in stuffing cushions. In  
 Box No. 4 of Botanical Gardens.

*Note.*—The fibres are all from plants grown at the Botanical Gardens.

J. HORNE.

MR. J. HORNE.

63 Sections of Wood, of which 43, from No. 1 to No. 46, are from indigenous trees.

*Sections of Mauritian Woods.*

Names, Botanical and Local.	Remarks on uses, &c.
1 Labourdonnasia glauca (Bois de Natte).	1 All of this order are more or less durable woods. They comprise the so-called "B. de Nattes," all of which are used for house and shipbuilding, cabinet and furniture work. Barks good for tanning and dyeing, and seeds make excellent bird lime; diameter from two to four feet.
2 Colophania Mauritiania (B. Colophon).	2 A resinous, heavy wood, much used for framing of carts, felloes of wheels, and in some parts of ships, buildings, breaks for railways, carriages, waggons, &c. It is a large tree often attaining a diameter of six feet.
3 Jossinia lucida (B. de Clous).	3 A slow growing tree. Wood very hard and heavy, used in building; named from its extreme hardness.
4 Jambosa venosa.	4. The Jambosas, of which there are five or six species in Mauritius, are woods commonly used for household purposes, tables, small planks, &c., one is used for the shafts of carriages. J. vulgars makes excellent charcoal, tool handles, &c.
5 Blackwellia glauca (Bois Sagai).	5 Three kinds of Blackwellia are used for building purposes, and for the axles of carts.
6 Labourdonnasia revoluta (B. de Natte).	6. There are several kinds of "B. de Natte," all of which are good for all building purposes, and are not excelled in durability by any other kind of wood.

*Sections of Mauritian Woods.—Continued.*

Names Botanical and Local.	Remarks on uses, &c.
7 Horonga Madagascariensis (B. Horoungé).	7 "B. Horoungé" is little used and of no value, as the wood never attains a large size.
8 Olea lancea (Olivier Sauvage).	8 An elastic wood used for shafts, tool handles, &c. Tree small, slow growing.
9 Callophyllum spectabile (B. de Tatamaka).	9 There are two or three excellent species of "Tatamaka," the woods of which are light and tough, difficult to work, very durable, serving for poles and for bullock carts, masts, and squared timber, &c.
10 Memecylon trinerve (B. de Canne).	10 Seldom of large size, the wood is excellent and much esteemed by carpenters for handles to axes, &c. It is very elastic. Diameter 6 to 8 inches.
11 Antidesma Madagascariens.	
12 Syzygium obovatum (B. de Bœuf).	12, 16, 21, and 50 are different species whose woods are used in house building, and the wood of one species (No. 50) is used for shafts.
13 Securinega nitida (Bois dur).	13 The remarks to Nos. 17 and 30 apply equally to this.
14 Melicocca diversifolia (Bois Gaulettes).	
15 Diospyros reticulata (B. d'Ebène Batard).	15 Furniture, &c.
16 Syzygium sp. (B. de Pomme).	16 Timber of excellent quality and useful for many purposes.
17 Erythrospermum species	
18 Mimusops angustifolia (B. de Natte, petites feuilles).	18 <i>Vide</i> remarks on the "Nattes."
19 Jossinia mespiloides.	19 Used in house building, grows to 10 inches in diameter.
20 Erythroxyllum sideroxyllodes (B. d'huile).	20 Yields good tough durable wood, but seldom found large. This is the common character of the Erythroxyllum of the country.

*Sections of Mauritian Woods.—Continued.*

Names Botanical and Local.	Remarks on uses, &c.
21 <i>Syzygium</i> species (B. Calebasse).	21 <i>Vide</i> No. 12.
22 <i>Quivisia ovata</i> (B. Café).	
23 <i>Psathura myrtifolia</i> .	23 Small tree, wood durable and elastic, fit for handles of axes and shafts. A valuable medicinal tree.
(There are no specimens marked 24 and 26.)	
25 <i>Gaertnera vaginata</i> .	
27 <i>Fropiera Mauritiana</i> .	
28 <i>Elæodendron orientale</i> (B. Olive).	
29 <i>Prockia</i> species.	29 Wood good, durable, but liable to crack, is therefore seldom used.
30 <i>Erythrospermum</i> sp. (B. Bigagnon).	30 Wood used in ship building; valuable, good for piles and posts, as it is very durable.
31 <i>Ehretia petiolaris</i> (B. Betel).	31 Grows to 2 feet in diameter; wood used in house building, but not valuable.
32 <i>Drosyros melanida</i> (B. d'Ebène marbré).	32 Common characters of the ebony. D. ebenum is the true ebony; the wood of both used for square timber in building, but will not support exposure, and it is of no use for planks as it invariably splits.
33 <i>Tabernæmontana Mauritiana</i> (B. de Lait à fleurs jaunâtres).	
34 <i>Mimusops Imbricaria</i> (B. de Natte).	34 <i>Vide</i> "Nattes."
35 <i>Sideroxylon cinereum</i> (B. Tambalacoque).	35 Tree tall, straight, large, some 5 feet diameter. Timber used in house building, planks, shingles, almost indestructible if cut in proper season, makes very good piles.
36 <i>Mithridatea tamburissa</i> (B. tambour).	



*Sections of Mauritian Woods.—Continued.*

Names Botanical and Local.	Remarks on uses, &c.
37 Diospyros sp. (B. d'E-bène).	37 Common properties of the Ebonies. A tall, straight tree. Wood durable, used for furniture and house building.
38 Croton sp.	
39 Calycodaphne cupsularis (B. de Canelle blanc).	39 Timber used in shipbuilding, makes good planks, and furniture. Is one of the best native timber trees, but very scarce.
40 Blackwellia integrifolia.	40 Is not found large enough to serve for more than axles, small planks, &c., a good wood.
41 Cupania lœvis (B. Saggi).	
42 Badula reticulata (B. Pintade).	
43 Mimusops sp. (B. Pomme de Siège).	43 Good wood, <i>vide</i> "Nattes."
44 Erythroxyloin lancifolium.	44 Never found large, but is used as lathes. It is almost indestructible.
(No No. 45.)	
46 Gastonia cutispongia (B. d'Eponge).	46 Only the heart wood durable, the outer and bark peculiarly soft and spongy.
47 Terminalia catappa (B. Badamier).	47 Wood fit for cabinet making and cornices, &c.
48 Heriteria littoralis.	48 Large tree, wood excellent, close grained, dark coloured; makes beautiful furniture, &c.
49 Nephelium Litchi (Litchi or Lee-chee).	49 Wood excellent, but not sufficiently abundant to be much used.
50 Syzygium Jambolana (Jamlongue).	50 <i>Vide</i> Nos. 12, 16, and 21.
51 Accacia elata (B. Noir blanc).	51 Timber said to be stronger than teak. Heartwood excellent, hard, and durable: useful for many purposes; stands a heavy strain.
52 Lagerstrœmia indica (Goyavier fleur).	52 Generally small in size, apparently good, little used, but hard and tough.

*Sections of Mauritian Woods.—Continued.*

Names Botanical and Local.	Remarks on uses, &c.
53 <i>Hæmatoxylon Campechianum</i> (Campeche Logwood).	53 Not often found large enough for building purposes, used for ornament and dyeing. This plant makes excellent hedges.
54 <i>Imbricaria coriacea</i> (Pomme Jacquot).	54 Wood good, but not common, and therefore little used.
55 <i>Camphora officinarum</i> (Camphor).	55 Grows to a large size. Wood used for boxes for preserving articles against insects.
56 <i>Morinda citrifolia</i> (Murier de Java).	56 A yellow dye is prepared from the bark of the roots of this tree by the Chinese.
57 <i>Flacourtia Ramontchi</i> (Prunier de Madagascar).	57 Mostly small trees, with a hard wood, which is serviceable for small articles of furniture.
58 <i>Nephelium Longan</i> (Longan).	58 <i>Vide</i> "Litchi," No. 49.
59 <i>Psidium Indicum</i> (Go-yavier de Chine).	59 <i>Vide</i> 52, the wood of which this very much resembles in quality, &c., but this is a much larger growing tree.
60 <i>Accacia Lebeck</i> (Bois Noir).	60 Heart wood used for naves and felloes of wheels; makes good charcoal, and formerly the French used to collect it largely and employ it as charcoal in gun-powder-making.
61 <i>Hymæna verucosa</i> (Copalier).	61 Timber apparently good, strong, hard, but coarse grained. The tree yields gum copal; and it is very common in Madagascar, but exists in a very few places in a cultivated state, in Mauritius.
62 <i>Tetranthera laurifolia</i> (B. d'Oiseaux).	62 Used for shafts, tool handles, &c.
63 <i>Artocarpus integrifolia</i> (Jacquier).	63 Wood useful for naves of carriage wheels, also for furniture. Yellow, beautifully coloured when fully matured.

*Sections of Mauritian Woods.—Continued.*

Names Botanical and Local.	Remarks on uses, &c.
64 <i>Mangifera Indica</i> (Mango).	64 Often attains a large size. Wood soft, light, but tough, used for doors, packing cases, &c. It is scarce possible to draw nails out of it.
65 <i>Cinnamomum</i> Cassia (Cannallier).	65 The better Cinnamon of Commerce.
66 <i>Casuarina equisetifolia</i> (Filao).	66 Axle trees, interior of houses, excellent firewood. Must not be exposed to moisture.

J. HORNE,  
Sub-Director, Botanical Gardens.

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GROUP 4.

SUGAR.—14 *Samples sent by James Wiehé, Esq.*

- 1.—Mr. W. HEWETSON, *Hewetson* Estate.  
Refining quality manufactured for European markets.
- 2.—Messrs. HART and DE BISSY, *Plaisance* Estate.  
Large Crystals, manufactured for Australian market.
- 3.—Mrs. Ww. PELLEGRIN, *Constance* Estate.  
Medium Crystals, manufactured for Australian market.
- 4.—Mr. KENIG, *Médine* Estate.  
Large White Crystals, manufactured for Australian market.
- 5.—Mr. T. THIERRY, *Mon Désert* Estate.  
Soft white, manufactured for Australian market, without animal charcoal.
- 6.—Mr. MANÈS, *Constance* Estate.  
Good white, manufactured without animal charcoal, for Australian market.
- 7.—Messrs. D'ARIFAT, *Constance* Estate.  
Good white, manufactured without animal charcoal, for Australian market.

SUGAR.—14 Samples sent by James Wiehé, Esq.—  
Continued.

- 8.—Messrs. TREBUCHET & Co., *Espérance* Estate.  
Good yellow, manufactured for Australian market.
- 9.—Mr. A. SORNAY, *Beauchamp* Estate.  
Good refining quality, manufactured for European markets.
- 10.—Mrs. L. FADUILHE, *Clémentine* Estate.  
Fair yellow, manufactured for Australian market.
- 11.—THE CEYLON COMPANY LIMITED, *Mon Désir* Estate.  
Refining quality, manufactured for European market.
- 12.—THE CEYLON COMPANY LIMITED, *Solitude* Estate.  
Yellowish white, manufactured for Australian markets.
- 13.—THE CEYLON COMPANY LIMITED, *Astræa* Estate.  
White, manufactured for Bombay.
- 14.—*Grande Baie* Estate.  
Good yellow, manufactured for Australian market.

HONOURABLE H. PITOT,—6 cases Sugar.

Sugars A B C, crystalized in the Vacuum Pan, different sizes of Crystals.

These Sugars have been filtered and manufactured without animal charcoal, and purged by turbines. The juice of the sugar cane has been treated according to Dr. Icery's process. These three boxes, with the one marked F, are white "Vesou" sugars.

Sugars D and E have been treated in the same manner as above, with larger Crystals, and have been made from the syrup or refuse from the "Vesou" sugars.

FLORE MAURICIENNE.

24 Bottles Preserved Fruits.

H. MOIZEAU.

7 Bottles Pickles.

WIDOW J. STRONG.

9 Bottles Pickles.

## GROUP 4.

- C. DUMAT, Esq.  
 Statistics of Sugar production.  
 1 Plan of first class Sugar Mill.
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## GROUP 5.

- Messrs. BOURGUIGNON & Co.  
 Rope made of Aloe Fibre (*Fourcroya Gigantea*), 6 sizes.
- Mr. D'UNIENVILLE.  
 4 lbs. Raw Silk.
- 

## GROUP 12.

- J. KYSHE, Esq.  
 One Copy Mauritius Almanack (1872).  
 Three Copies „ „ (1873).
- Mr. MOCO.  
 16 Photographs—Types of the Chinese, Indian, and Mozambique inhabitants of Mauritius.  
 22 Photographic Views of Landscapes, &c. (Mauritius).
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## GROUP 17.

- C. MELDRUM, Esq., Government Observatory.  
 Meteorological Charts.

## MADAGASCAR PRODUCTS.

(Exhibited by Honourable H. Jourdain.)

- |                            |                         |
|----------------------------|-------------------------|
| 2 Handsome Silk Lambas.    | 3 Samples India Rubber. |
| 2 Grass Cloth Nattes.      | 6 Cigar Cases.          |
| 3 Pieces fine Grass Cloth. | 7 Spoons.               |
| 1 Sample Flax.             | 1 Fork.                 |
| 1 „ Silk.                  | 2 Cups.                 |
| 1 „ Fibre.                 | 1 Specimen Crystal.     |
| 1 „ Cord.                  |                         |

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