

# Indian botanical paintings by Violet Jacob (1863-1946)

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Violet Augusta Mary Frederica Kennedy-Erskine was born on the 1<sup>st</sup> September 1863 at House of Dun, Montrose, Angus. She is best known as a writer, who published novels, short stories and poetry in Scots and English.

In 1894 she married Arthur Otway Jacob, a Lieutenant in the 20<sup>th</sup> Hussars. When her husband's regiment was posted to Mhow in Central India she taught herself about Indian plants and painted watercolours of some of them. The Jacobs lived at Mhow from 1894-1900. At a later date the watercolours were bound, and subsequently donated to Edinburgh University Library. When the Botany Library of Edinburgh University moved from the Royal Botanic Garden, between 1957-1962, these volumes were retained at the Royal Botanic Garden Edinburgh as part of the transfer arrangements.

In 1990 Canongate published a selection from the diaries Violet Jacob kept during her time in India (edited by Carole Anderson), as *Diaries and Letters from India, 1895-1900*. This work provides further information on her botanical studies and painting.

The following index to the watercolours was prepared by Regina Davidson, RBGE Library Volunteer in 2016. Details of all the names and localities for all of the paintings plus any accompanying notes made by Jacob are listed. The plant names used are those provided by Jacob herself as well as some given by staff at RBGE when the collection was originally donated.

The volume containing the Convulvulaceae paintings has been looked at by an unknown expert at a later date (possibly 1990s) who has provided identifications where this could be done. These names have been included in the index.

## Cover Title: Indian Flowering Plants [Volume 1, ID: ESOL1]

Number	Date	Family Name	Scientific Name	Common Name	Location	Notes (Condition, annotations, etc)
1	April 23 <sup>rd</sup> 1899	Gentianaceae	Gentiana pedicillata		Naukuchia Tal	Simla Hills. This tiny drawing is life-size
2	Jan 17 <sup>th</sup> 1898	Gentianaceae	Exacum sulcatum		Mhow	Central India
3	Oct. 9 <sup>th</sup> 1899	Gentianaceae	Pladera virgate		Mhow	Central India
4	Decr. 26 <sup>th</sup> 1897	Gentianaceae	Menyanthes cristata		Depalpur	Central India. Grows in watery places
5	May 28 <sup>th</sup> 1900	Primulaceae	Androsace rotundifolia		Kasauli	Simla hills

Number	Date	Family Name	Scientific Name	Common Name	Location	Notes (Condition, annotations, etc)
6	May 19 <sup>th</sup> 1900	Primulaceae	Androsace lanuginosa		Kasauli	Simla Hills. Drawing life-size
7	Sept. 3 <sup>rd</sup> 1900	Compositae	Aster Thomsoni		Dagshai	Simla Hills
8	Oct 18 <sup>th</sup> 1900	Compositae	Tricholepis elongate		Dagshai	Simla Hills
9	April 28 <sup>th</sup> 1899	Compositae	Saussurea royllii		Naukuchia Tal	Simla Hills
10	July 22 <sup>nd</sup> 1897	Compositae	Erigeron asteroides		Mhow	Central India
11	June 3 <sup>rd</sup> 1900	Labiaceae (sic)	Salvia lanata		Dagshai	Simla Hills
12	Dec. 6 <sup>th</sup> 1899	Loranthaceae	Loranthus bicolor		Mhow	Central India. A parasite on trees
13	August 30 <sup>th</sup> 1900	Melastomaceae	Osbeckia crinita		Kasauli	Simla Hills
14	July 23 <sup>rd</sup> 1897	Commeliniaceae	Commelina bengalensis		Mhow	Central India
15	Augst. 11 <sup>th</sup> 1897	Amaryllideae	Crinum asiaticum		Mhow	Central India
16	July 10 <sup>th</sup> 1900	Amaryllideae	Curculigo orchoides		Kasauli	Simla Hills
17	July 13 <sup>th</sup> 1896	Scitamineae	Curcuma Zerumbet		Mhow	(Turmeric) Central India. This plant has a false look of being an orchid. When young it appears to have no stem, as it breaks into full flower before its lowest blossom has quite emerged from ground level. Until that is freed it is rather ungainly.
18	July 15 <sup>th</sup> 1898	Orchidaceae	Eulophia herbacea		Mhow	Central India
19	August 19 <sup>th</sup> 1900	Orchidaceae	Satyrnium nepaulense		Dagshai	Simla Hills
20	August 1 <sup>st</sup> 1900	Orchidaceae	Microstylis wallichii		Kasauli	Simla Hills

Number	Date	Family Name	Scientific Name	Common Name	Location	Notes (Condition, annotations, etc)
21	August 16 <sup>th</sup> 1900	Orchidaceae	Habenaria susanna		Dagshai	Simla Hills
22	August 3 <sup>rd</sup> 1900	Orchidaceae	Habenaria intermedia		Kasauli	Simla Hills
23	May 13 <sup>th</sup> 1899	Orchideae	Dendrobium amoebum		Naukuchia Tal	Kumaon N.W.P. A poor specimen. I have seen as many as twenty-six blossoms on one stem.
24	May 14 <sup>th</sup> 1899	Orchidaceae	Dendrobium amoebum (var.)		Naukuchia Tal	Kumaon N.W.P.
25	June 8 <sup>th</sup> 1899	Orchidaceae	Vanda?		Naukuchia Tal	
26	June 9 <sup>th</sup> 1899	Orchidaceae	Saccolabium guttatum		Naukuchia Tal	Kumaon N.W.P. "Fox-brush orchid". This is a poor specimen. It was painted before I knew how much larger the inflorescence would grow with the advancing season.
27	May 6 <sup>th</sup> 1899	Orchidaceae	Doritis taemalis			Kumaon N.W.P.
28	June 15 <sup>th</sup> 1899	Orchidaceae	Pholidota articulata		Naukuchia Tal	Kumaon N.W.P.
29	June 30 <sup>th</sup> 1899	Orchidaceae	Coelogyne longibracteata		Mhow	This was on the very verge of flowering when I had to leave Kumaon for Mhow. I cut it from its tree just before we started on our two days journey to Central India and kept it on the rack above my head. It flowered there on the second night & just survived for me to paint it on our arrival.

## Cover Title: Indian Flowering Plants [Volume 2, ID: ESOM1]

Number	Date	Family Name	Scientific Name	Common Name	Location	Notes (Condition, annotations, etc)
0	n.d.	No entry	<i>Ranunculus flammula</i>	Lesser Spearwort	No entry	None
1	April 6 <sup>th</sup> 1896	Verbenaceae	<i>Lantana indica</i>		Mhow	Shrub. Common naturalized. Hedges, Mhow, Central India
2	December 7 <sup>th</sup> 1897	Verbenaceae	<i>Clerodendron phiomoides</i>		Mhow	Common. Hedges and banks of nullahs, Mhow, Central India
3	Sept 7 <sup>th</sup> 1896	Verbenaceae	<i>Volkameria serrata</i> (Roxburgh)		Mhow	Common. Jungle land during the rains, Mhow, Central India. [Pencil note: <i>Volkameria serrata</i> (overleaf) may be <i>V. farinosa</i>
4	March 10 <sup>th</sup> 1896	Leguminoseae	<i>Erythrina suberosa</i> (Roxburgh)		Mhow	Small tree. Common. Jungle land. Mhow, Central India
5	April 11, 1898	Leguminoseae	<i>Batea frondosa</i> (Roxburgh)			Small tree. Common. Jungle land. Mhow, Central India. MSS note: Notes on <i>Butea frondosa</i> . English and native names: 'Dak' – 'Glory of the Forest' – "Flame of the Jungle" – "Palass" The leaf of this tree is sacred to the Hindu Trinity – Bramah, Vishnu and Siva – the leaf being tripartite. It blossoms just before the hot weather when the dried up waste spaces of the jungle are like tinder. There is something sinister in its appearance which seems to be a visible fore-runner of the fiery trial coming. A splendid thing. The blossom and the leaves are not commonly on the same part of the tree which makes it look all the more strange.
6	August 27 <sup>th</sup> 1896	Leguminoseae	<i>Clitoria ternatea</i> (Roxburgh)		Mhow	Creeper. Rather common. Hedges, Mhow, Central India [MSS note: Common

Number	Date	Family Name	Scientific Name	Common Name	Location	Notes (Condition, annotations, etc)
						English name of this is 'The Mussel Shell' Creeper. It is also cultivated in gardens.]
7	Sept. 11 <sup>th</sup> 1897	Leguminosae	Clitoria ternatea (Roxburgh)		Mhow	Not very common. Hedges. Mhow, Central India
8	Sept. 21 <sup>st</sup> 1896	Leguminosae	Dolichos verosus (Roxburgh)		Mhow	Creeper. Not very common. Hedges. Mhow, Central India
9	Feb. 2 <sup>nd</sup> , 1898	Leguminosae	Cylista scariosa (Roxburgh)		Simrole	Creeper. Rather common. Jungle land near the Western Ghauts. Mhow, Central India
10	July 16 <sup>th</sup> 1896	Leguminosae	Mimosa arabica		Mhow	Tree. Extremely common. Mhow, Central India
11	Aug. 26 <sup>th</sup> 1897	Leguminosae	Mimosa rubicaulis		Mhow	Straggling shrub. Common. Waste ground. Mhow, Central India
12	April 1 <sup>st</sup> 1899	Leguminosae	Dichostrachys cinerea		Mhow	Shrub. Not very common. Mhow, Central India
13	May 6 <sup>th</sup> 1897	Leguminosae	Cassia fistula (Roxburgh)		Mhow	Tree. Common. Mhow, Central India. [MSS note: Notes on Cassia fistula. English names. "Pudding pipe Tree" "Indian Laburnum". This has a delicious faint hot ? scent. This tree is a beautiful sight when in blossom at the beginning of the hot weather. It also grows in Egypt.
14	Nov. 7 <sup>th</sup> 1898	Leguminosae	Carpopogon pruriens (Roxburgh)		Mhow	Creeper. Rather common. Hedges. [MSS note: Carpopogon pruriens (overleaf) This plant well deserves its name - The seed vessels are covered with stinging hairs almost impossible to get out of one's hands.
15	Sept 3 <sup>rd</sup> , 1898	Leguminosae	Rhynchospesia sericea		Mhow	Creeper. Uncommon. Jungle land. Mhow, Central India. [MSS note: Have quite failed to discover the name of

Number	Date	Family Name	Scientific Name	Common Name	Location	Notes (Condition, annotations, etc)
						the flower overleaf and only saw it once straggling among thick grass in the midst of a tangle of bushes in waste land.]
16	Jan 8 <sup>th</sup> 1899	Leguminosae	<i>Crotolaria sericea</i> (Retz)		Simrol	Rather common. Waste places. Mhow, Central India.
17	March 31 <sup>st</sup> 1896	Leguminosae	<i>Parkinsonia aculeata</i>		Mhow	Small tree. Common. Mhow, Central India.
18	Oct. 7 <sup>th</sup> 1897	Leguminosae	<i>Bauhinia purpurea</i>		Indore	Tree. Common. Mhow, Central India.
19	May 19 <sup>th</sup> 1899	Leguminosae	<i>Bauhinia racemosa</i> (Roxburgh)		Naukuchia Tal	Immense Creeper, common. Kumaun, N.W. Provinces. [MSS note: A beautiful sight when seen hanging like a rope on the edge of a gorge. The main stem is semi-flexible and the short flowering branches spring laterally from it. The very large seed pods are practically unbreakable till they burst of themselves. Heat made this happen in a room I was in and the report was like a pistol shot. We thought it was one and went out to see. The seeds are about the size of half-crowns and much thicker.
20	August 4 <sup>th</sup> 1900	Leguminosae	<i>Vigna vexillaria</i> (Nairne)		Kasauli	Creeper. Very common. Simla Hills
21	Nov 3 <sup>rd</sup> 1900	Amarantaceae	<i>Celosia argentea</i>		Mhow	Very common. Among grass. Mhow, Central India.
22	Sept. 11 <sup>th</sup> 1896	Geraniaceae	<i>Impatiens balsamina</i>		Mhow	Extremely common. Waste ground during rainy season. Mhow, Central India.
23	April 26 <sup>th</sup> 1899	Geraniaceae	<i>Geranium longipes</i>		Naukuchia Tal	Common. Kumaun. N.W. Provinces
24	August 1 <sup>st</sup> 1900	Geraniaceae	<i>Geranium wallichianum</i>		Kasauli	Common. Simla Hills
25	Oct. 17 <sup>th</sup> 1897	Hydrocharideae	<i>Damasonium indicum</i>		Indore	Common. Pools and tanks. Mhow, Central

Number	Date	Family Name	Scientific Name	Common Name	Location	Notes (Condition, annotations, etc)
			(Roxburgh)			India
26	March 21 <sup>st</sup> 1899	Nyctagineae	Boerhaavia repauda (Roxburgh)		Mhow	Common. Hedges. Mhow, Central India.
27	May 22 <sup>nd</sup> 1900	Onagraceae	Oenothera nocturna		Kasauli	Common. Simla Hills. [MSS note: This flower expands regularly at 4 p.m. I have often sat down beside a plant to watch the operation and found that a fact. It does not survive the night (that is, the blossom does not) for next morning it is merely a reddish rag.
28	April 21 <sup>st</sup> 1899	Onagraceae	Oenothera rosea		Naukuchia Tal	Common. Kumaun, N.W. Provinces
29	April 16 <sup>th</sup> 1899	Primulaceae	Anagallis arvensis		Mhow	Common. Mhow, Central India.
30	Dec.22 <sup>nd</sup> 1900	Pontederaceae	Pontederia hastata (Roxburgh)		Badnawar	Common. Nullahs and streams. Mhow, Central India.

### Cover Title: Indian Flowering Plants [Volume 3]

Number	Date	Family Name	Scientific Name	Common Name	Location	Notes (Condition, annotations, etc)
1	June 26 <sup>th</sup> 1896	Cucurbitaceae	Cephalandra indica		Mhow	Fairly common over Central India. The first Indian wild flower I ever saw. It has a habit of turning itself up the stems of palm trees which is one of the loveliest things imaginable. I had several in my compound. It is rather difficult to get the ripened fruit, and it was some time before I could find the specimen overleaf. Both birds and snakes are fond of it and do not leave it long on the plants.
2	Oct 27 <sup>th</sup> 1897	Cucurbitaceae	Luffa amara		Nandlia	Pretty common, creeping over bushes and hedges. The flowers open almost exactly at four o'clock in the afternoon, blooming during and after the rains.

Number	Date	Family Name	Scientific Name	Common Name	Location	Notes (Condition, annotations, etc)
3	Nov 6 <sup>th</sup> 1900	Cucurbitaceae	Trichosanthes cucumerina		Mhow	Moderately common a few miles out of Mhow. Its fringed petals make it look very pretty when climbing over a bush of barren thorns, as I first saw it. Male and female blossoms grow on the same stems, as can be seen in the picture.
4	Sept 5 <sup>th</sup> 1898	Cucurbitaceae	Curcumis colocyntus		Mhow	
5	July 30 <sup>th</sup> 1899	Cucurbitaceae	Momordica umbellata		Mhow	I found it very difficult to get th ripened seed vessel of this plant. The flower was painted in Central India and it was only at Dagshai (in the Simla Hills) that I was able to get the seed vessels.
6	March 8 <sup>th</sup> 1898	Acanthaceae	Justicia adhatoda		Mhow	A shrub found in most parts of India. Central India is full of it. There is always a lot of it in Mohamedan graveyards. It is a dusty, rank looking thing, but the scent of the flowers is delicious. This specimen came from the Mohamedan graveyard at old Mhow.
7	Sept 11 <sup>th</sup> 1899	Acanthaceae	Barleria prionites		Mhow	A shrubby weed. Very common. Found this specimen growing in my own compound, Mhow, Central India. The prickly spines growing among the leaves are very sharp.
8	April 29 <sup>th</sup> 1897	Acanthaceae	Ruellia hirta		Mhow	Extremely common in all grassy places in Central India. This specimen comes from the Mhow racecourse. No scent.
9	March 19 <sup>th</sup> 1897	Acanthaceae	Petalidium barleroides		Mhow	I saw this flower growing luxuriantly (and much larger than this specimen) after leaving Katgodam on our way up to the Kumaon lakes. I only once saw it in Central India when I found this one near Haselpur Tank about 11 miles out from Mhow on the Bombay road. I had some difficulty in getting it and ???, by about

Number	Date	Family Name	Scientific Name	Common Name	Location	Notes (Condition, annotations, etc)
						half a foot, having a horrible experience. I saw it growing rather high up in the cleft of an old ??? tree and determined to have it. Between me and the tree was a stream and in the middle of a little delta of earth and stones. There was a hedge in front of me pretty thick but not very tall, so there being no other way, I jumped out over it as far as I could meaning to land on the delta & get over the narrow bit of water on the further side. It was a bit of a leap in the dark, for I could not see where I should land. I got over it all right but there was a dead man wound up for burial lying on the ground and I just missed alighting in the very middle of him. He had evidently been taken there to be burnt by the waterside for he was half consumed. I soon put the water between me and him and managed to get up the gular (?) with my knife & cut out <i>Petalidium barleroides</i> . This I considered the most exquisite Indian plant I ever saw.
10	28th August 1896	Acanthaceae	<i>Thunbergia grandiflora</i>		Mhow	Wild in some parts of India though seen only in gardens in Central India. A very strong luxuriant climber.
11	August 27 1898	Rubiaceae	<i>Oldenlandia ?</i>		Mhow	A weed in fields – common in Central India.
12	Sept 27 <sup>th</sup> 1900	Rubiaceae	<i>Oldenlandia coccinea</i>		Kasauli	Very common in the Simla Hills. N.W.P.
13	March 13 <sup>th</sup> 1897	Asclepidaceae	<i>Asclepias gigantea</i>		Mhow	Almost the commonest Indian plant. It grows in waste places & is a weed in cultivated fields. Sometimes 6 or 7 feet high. If cut open the seed pod is most

Number	Date	Family Name	Scientific Name	Common Name	Location	Notes (Condition, annotations, etc)
						beautiful. It has a thick white acrid milky juice exuding from any part cut or broken – which blisters horses when it touches their skin. One has to be careful when riding among it.
14	June 28 <sup>th</sup> 1897	Asclepidaceae	Asclepias echinata		Mhow	A very sweet scented little creeper growing profusely over bushes and hedges.
15	April 17 <sup>th</sup> 1895	Asclepidaceae	Hoya viridiflora		Mhow	Growing profusely in hedges about Hassola (?) Village near Mhow. Flowering in the rainy season. I had a terrible business to get it the first time I saw it. I hooked it with the butt end of my crop & so got a trail in my hand. My pony backed and refused to do anything else & I was nearly hauled from the saddle. However at last I got it and then the blossoms shut up to my intense dismay as I thought they wd. die. Raced home & put them in a covered chattee (?) of water & left them in a cool place while I breakfasted. I scarcely dared look at them afterwards for fear they were dead but I found the green blossom outspread on the water looking as fresh as when they were growing. I painted them at once.
16	August 1 <sup>st</sup> 1897	Asclepidaceae	Asclepias rosea		Mhow	Found twisting up a bare thorn hedge on the road between Mhow and Indore. Also in a swampy place by Bercha Tank.
17	August 5 <sup>th</sup> 1897		Unidentified		Mhow	I have never been able to name the flower overleaf. I have only seen it once. And though many people assured me they knew it well nobody could give it a name or say where they had seen it. It has a

Number	Date	Family Name	Scientific Name	Common Name	Location	Notes (Condition, annotations, etc)
						delicious faint scent like that of a pansy. I believe it to be some sort of asclepiad. It was straggling across some short grass by a wayside.
18	July 30 <sup>th</sup> 1899	Asclepadaceae	Cryptolepis bucharani		Mhow	Fairly common some miles out of Mhow. ( <i>Nerium reticulatum</i> , Roxb.)
19	April 29 <sup>th</sup> 1899	Aurantaceae	Murraya exotica		Naukuchia Tal	A shrub, much like a box bush with exquisitely scented flowers. Found this specimen on the shores of Naukuchia Tal, Kumaun District, N.W. Provinces
20	June 16 <sup>th</sup> 1899	Aurantaceae	Citrus medica		Naukuchia Tal	A shrub, I believe, common. I only saw the one from which I picked this specimen. Crossing the lake at Naukuchia Tal, we went across the only flat bit of ground there was, on which the temple stood – and walked down the bed of a stream in which there was not much water. There were bushes and creepers meeting overhead and in one place we emerged from under them and came out in a swampy place in which forget me nots were growing and a few bushes of <i>Citrus medica</i> . It is a pity that I painted the fruit before the green had turned into lemon yellow, but I could not wait till it had ripened to paint the picture, as we were so soon going back to the plains. It was lovely (or lonely?) place that swamp.
21	April 17 <sup>th</sup> 1899	Ranunculaceae	Delphinium ajacis		Naukuchia	This I found in the Kumaun hills near Naukuchia Tal. When we went up there in April the whole surroundings were a sight to wonder at, the ground being covered by the blue delphinium; the bushes of white wild rose ( <i>Rosa pubescens</i> ) and a mass of St

Number	Date	Family Name	Scientific Name	Common Name	Location	Notes (Condition, annotations, etc)
						John's wort ( <i>Hypericum Hookerianum</i> ?) turned the world into a pattern of blue, gold, and white. Splendid.
22	Oct 16 <sup>th</sup> 1900	Ranunculaceae	<i>Clematis buchananiana</i>		Dagshai	Climbing over everything in the ravines about Dagshai (Simla Hills). The delicious scent fills the air and pervades everything. The picture is a rather small specimen and scarcely does the plant justice. The trails are yards long. NOTE: Inserted at this point are a monochrome photograph of a plant identified as possibly <i>Clematis aethusifolia</i> or <i>Clematis connata</i> in the accompanying letter from Frank D. Brocklehurst, Hare Hill, Macclesfield dated 23 <sup>rd</sup> August 1903. There is also a magazine clipping with a text paragraph and photograph of <i>Clematis aethusifolia</i> .
23	May 4 <sup>th</sup> 1899	Cactaceae	<i>Opuntia dillenii</i>		Naukuchia Tal	Common in both plains and hills; the blossoms are far finer in the latter. It is used for hedges being absolutely impenetrable to man or beast. The large spines are like needles and the small ones, which grow in tufts all over the plant, cause the greatest pain if they get into the flesh. They are so tiny that it is almost impossible to get them out once they are in. The fruit, which is called 'Prickly Pear' is eaten but is inferior stuff. It will be seen in the picture growing out of the flattened stem, which has the appearance of a leg.
24	May 30 <sup>th</sup> 1899	Cucurbitaceae	<i>Michelia champaca</i>		Naukuchia Tal	A large tree with deliciously scented flowers which was quite new to me, as I had never seen it in Central India. It is also grown in Burma where the flowers

Number	Date	Family Name	Scientific Name	Common Name	Location	Notes (Condition, annotations, etc)
						are sold on the steps of the ??? Dagon temple to those who wish to make offerings and garlands.
25	July 23 <sup>rd</sup> 1896	Nymphaeaceae	Nelumbium speciosum		Mhow	The sacred lotus of India – the most lovely of all Indian flowers. It is only fairly common in Central India. It has a faint, curious scent and very thick fleshy petals. Natives care very little for flowers on the whole but they admire the lotus.
26	Nov. 27 <sup>th</sup> 1898	Nymphaeaceae	Nymphaea cyanea		Depalpur	This specimen came from Depalpur Tank, ten miles out from Mhow on the Neenurah (?) road. I had heard of it for some time before I was able to get it. It is a curious fact that in the hot sunshine it is difficult to tell what its colour is. I asked three men who were going to Depalpur to shoot, to bring me a few blossoms. They found the flower, but as one said it was blue, another pink, and the third declared it was white, they thought it could not be what I wanted, and left it. Later on I went there myself and having secured it, painted it on the shore of the lake. It is a most exquisite thing, far lovelier than the pink lotus in my opinion.
27	April 15 <sup>th</sup> 1899	Hypericaceae	Hypericum Hookericonium		Naukuchia Tal	Very common in Kumaun
28	March 27 <sup>th</sup> 1897	Malvaceae	Bombax malabaricum		Mhow	A large tree in which flower and leaf do not come out at the same time. It has the appearance when in bloom, of a tree covered with scarlet tulips. Both branches and stem are covered with strong prickles. There is a good deal of it in Central India. It is called the Silk Cotton Tree capsule being full of silky

Number	Date	Family Name	Scientific Name	Common Name	Location	Notes (Condition, annotations, etc)
						cotton which is used for stuffing pillows.
29	Feb. 4 <sup>th</sup> 1898	Malvaceae	Bombax gossypium		Simrole	A moderate sized tree which I found growing on the side of a ravine of the Western Ghats, near Simrole. It is full ow a yellow gummy juice like honey in consistency which comes out when a piece is broken. The wood is as brittle as if it were dead. I saw this flower right at the top of the tree & got the leather reins from my cart, which we flung up over the branch bearing the flower. We then pulled and, <u>the tree</u> snapping across, we fell backwards into a thicket of dtrong thorns. The flower came down with no injury which was the main point.
30	May 21 <sup>st</sup> 1897	Malvaceae	Adansonia digitata		Mhow	A large extraordinary looking tree, which looks as if the trunk had elephantiasis, it is so swollen and ungainly. The flower is perfectly beautiful and opens in the early morning, closing again before mid day. It was brought from Africa in the 16 <sup>th</sup> century and is now naturalized over most of the Bombay Presidency. It is particularly plentiful in the ruined Mohamedan city of Mandoo, in Dhar State, about 30 miles from Mhow. Standing up strangely in the thick jungle which has engulfed the place. It is called 'monley bread' and the African Baobab. The club-like seed pod looks very odd when hanging on the bare tree. The smell of the flowers is so appalling that it is a fearful thing to have one in the house. I was nearly poisoned with

Number	Date	Family Name	Scientific Name	Common Name	Location	Notes (Condition, annotations, etc)
						my whole household, while painting it.
31	Oct. 26 <sup>th</sup> 1899	Malvaceae	Hibiscus vitifolius		Silawar	A common weed on road sides and in waste places – growing sometimes to about eight feet in height.
32	Oct. 27 <sup>th</sup> 1900	Malvaceae	Hibiscus ficulens		Bijalpur	Common by tanks and waste places in Central India.

### Cover Title: Indian Flowering Plants [Volume 4]

Number	Date	Family Name	Scientific Name	Common Name	Location	Notes (Condition, annotations, etc)
1	April 5 <sup>th</sup> 1897	Papaveraceae	Argemone mexicana		Mhow	Extremely common at every roadside and waste grounds all round Mhow.
2	July 28 <sup>th</sup> 1898	Oleaceae	Jasminum auriculatum		Mhow	A large shrub. Common. Grows thickly on the jungle land near Pituinpur Village on the Neemueh road a couple of miles from Mhow. Sweet scented.
3	May 11 <sup>th</sup> 1897	Oleaceae	Jasminum arborescens (Roxburgh)		Mhow	A large shrub. Fairly common. Hedges between Gangelkheri and Palassi villages near Mhow.
4	Sept 3 <sup>rd</sup> 1897	Pedali...	Martynia diandria		Mhow	Common. Waste places near Mhow. This is an introduced plant, from America, which has overrun Central India. Very beautiful. No one notices it as they never think of turning aside the leaves and the blossom is usually concealed by their thick growth. Its native name is

Number	Date	Family Name	Scientific Name	Common Name	Location	Notes (Condition, annotations, etc)
						'Virichu' or 'Scorpion.' This refers to the seed vessels which, as seen overleaf, have pointed claws, which are so formidable as to injure animals which rub against them. These seed vessels are so hard that one can stand on them & stamp on them without breaking them. An ordinary clasp knife will not cut them.
5	March 1 <sup>st</sup> 1896	Capparidaceae	Capparis zeylanica		Mhow	In the morning the whole of the blossom is white and most beautiful, reminding one of myrtle. By noon it begins to change colour and soon the flower is turned to a dull crimson, the petals feint and the stamens dark, as in the picture. It blossoms just before the hot weather. It has a scent which is pleasant at first, but stifling when one is shut up with it. The whole plant is covered with a brown velvety dust and the thorns are terrific on the woody parts. It is a climbing bush, very common. The red seed vessels are full of shot like seeds as

Number	Date	Family Name	Scientific Name	Common Name	Location	Notes (Condition, annotations, etc)
						large as peas.
6	July 1 <sup>st</sup> 1900	Capparidaceae	Cleome chellidonii (Roxburgh)		Mhow	Common. Shores of Bercka Tank, Mhow, C.I.
7	Feb. 4 <sup>th</sup> 1896	Apocynaceae	Carissa carandas		Mhow	Deliciously scented. A very common shrub in Central India.
8	March 23 <sup>rd</sup> 1896	Apocynaceae	Nerium odorum		Mhow	Moderately common. Mullah southwest of Patalpani Railway station at the beginning of the Ghauts – a few miles from Mhow growing in the stream that runs to the Patalpani gorge.
9	April 9 <sup>th</sup> 1896	Apocynaceae	Nerium odorum		Mhow	Growing in the same place as the former. The white variety is rather rarer than the pink or the red.
10	March 19 <sup>th</sup> 1896	Apocynaceae	Nerium odorum		Mhow	Same place as the former specimens.
11	June 28 <sup>th</sup> 1899	Apocynaceae	Cryptostegia grandiflora		Mhow	Shrub. A climber. Common in Mhow and Indore. A weed in compounds and near bungalows. No scent to speak of.
12	July 16 <sup>th</sup> 1896	Boraginieae	Borago zeylanica		Mhow	Very common in dry waste places.
13	August 16 <sup>th</sup> 1898	Solanaceae	Solanum indicum		Mhow	Very common at roadsides.
14	August 14 <sup>th</sup> 1897	Solanaceae	Solanum Jacquinii		Mhow	Common. Roadsides and waste places. More interesting to look at and a better colour than S. indicum. A terrible thing to

Number	Date	Family Name	Scientific Name	Common Name	Location	Notes (Condition, annotations, etc)
						handle because of its crowded thorns.
15	July 10 <sup>th</sup> 1898	Solanaceae	Datura alba		Mhow	Common in ditches round Mhow, and round native villages.
16	Feb. 10 <sup>th</sup> 1898	Solanaceae	Datura fastuosa		Sadulpur	Rather common by village walls.
17	Sept. 17 <sup>th</sup> 1900	Solanaceae	Nicandra physaloides		Kasauli	In ditches and at the sides of paths at Dagshai. Simla footpaths. Punjaub.
18	Dec. 21 <sup>st</sup> 1897	Malphigaceae	Hiptage Madhablota		Mhow	Climbing shrub. Found this specimen by the steps of the 'Lal Bagh' ruin. Ruined city of Mandoo 40 miles from Mhow in Dhar State. This was the only specimen I ever saw growing wild – tho' there was a bush in the garden of the old guest house at Dhar. Also there was a very large plant of it trained over a wooden cage in the garden of the little bungalow at the foot of Naudlia Hill near Mhow. The most strangely fragrant of all the Indian native plants. The scent seems to have all the fascination of the East in it. The 'Lal Bagh' ruin is near the <u>old</u> camping ground at Mandoo. I did not get the samara on the first occasion of finding it as it

Number	Date	Family Name	Scientific Name	Common Name	Location	Notes (Condition, annotations, etc)
						was not in seed at the time. But I got it again later.
19	Feb. 10 <sup>th</sup> 1900	Scrophulariaceae	Celsia coromandeliana		Mandoo	Common. Found this in the dry rocky bed of a small tank N. of the old camping ground in the ruined city of Mandoo. Central India
20	Nov. 2 <sup>nd</sup> 1900	Scrophulariaceae	Buchnera hispida		Mhow	Common. Got this at the foot of the hills by Bercha Tank, Mhow.
21	Nov. 5 <sup>th</sup> 1900	Sapindaceae	Cardiospermum Halicacabum		Mhow	Climber. Very common in hedges. Mhow.
22	Feb. 9 <sup>th</sup> 1898	Lythraceae	Grislea tomentosa (Roxb.) or Woodfordia floribunda		Sadulpur	Shrub – Common towards the Ghauts about ten miles out of Mhow. Found this one near Simrole. It is a sordid looking, malignant looking thing, which always has the appearance of being dusty and dirty and ill proportioned.
23	August 28 <sup>th</sup> 1900	Lythraceae	Punica granatum		Kasauli	Small tree. Got this flower near Kasauli in Simla foothills – where it is fairly common. It is impossible to do justice to its brilliant colour as the paintbox contains nothing to compare with it.
24	June 22 <sup>nd</sup> 1900	Tiliaceae	Grewia sp.		Kasauli	Small tree. Common at Kasauli by the hill paths.
25	August 20 <sup>th</sup> 1900	Dioscoriaceae	Helmia bulbifera		Mhow	Creeper. Common. Trailing over ? Karunda bushes in the

Number	Date	Family Name	Scientific Name	Common Name	Location	Notes (Condition, annotations, etc)
						country round Mhow.
26	August 16 <sup>th</sup> 1896	Liliaceae	Gloriosa superba		Mhow	Climber. Rather common. Climbing over bushes in the jungle land round Mhow. Sometimes its blossoms stuck up through the top of the bushes, lighter as they got to the top of the plant. Reminding one of flames and making one think of Moses and the burning bush in the Bible.
27	July 28 <sup>th</sup> 1897	Liliaceae	Iphegenia pallida		Mhow	Common; growing in the turf on 'One Tree Hill' in Mhow.
28	June 5 <sup>th</sup> 1899	Liliaceae	Polygonatum cirrifolium		Naukuchia Tal	Not common. Found this in a small watercourse in the woods by Naukuchia Tal Lake in Kumaun. While getting it, I heard a noise and found a large wild boar observing me a couple of yards up the bank. I 'shood' it away and, fortunately, he ran.
29	Jan. 25 <sup>th</sup> 1900	Burseraceae	Boswellia thurifera [= B. serrata]		Simrole	Tree. Common in the jungle round Simrole fourteen miles out of Mhow
30	Oct. 14 <sup>th</sup> 1900	Violaceae	Viola serpens		Dagshai	Rather common among rocks Dagshai, Simla foothills. Punjab
31	April 23 <sup>rd</sup> 1899	Rosaceae	Fragaria indica		Naukuchia Tal	Common round Naukuchia Tal, Kumaun, N.W.P. Fruit quite tasteless.
32	April 19 <sup>th</sup>	Rosaceae	Rosa pubescens		Naukuchia Tal	Very common round Naukuchia

Number	Date	Family Name	Scientific Name	Common Name	Location	Notes (Condition, annotations, etc)
	1899					Tal. Every bit of ground covered with large bushes. Sweet scented. Brandis says it is cultivated in Europe and has become naturalized in Spain.
33	April 25 <sup>th</sup> 1899	Rosaceae	Rosa multifida		Naukuchia Tal	Found this a couple of miles from Naukuchia Tal. Several bushes together.

### Cover Title: Indian Convoluli

Number	Date	Family Name	Scientific Name (VJ)	Scientific Name (Det. Slip)	Location	Notes (Condition, annotations, etc)
1	Feb. 8 <sup>th</sup> 1896	Convolvulaceae	Ipomea digitata	Ipomoea cairica (L.) Sweet	Mhow	
2	May 11 <sup>th</sup> 1896	Convolvulaceae	Ipomea reptans	Ipomoea aquatica Forssk	Mhow	
3	May 28 <sup>th</sup> 1896	Convolvulaceae	Ipomea campanulata	Either Ipomoea campanulata or Ipomoea soluta Kerr. The 2 are very similar, the painting lacks any details that would distinguish them.	Mhow	
4	Aug. 7 <sup>th</sup> 1896	Convolvulaceae	Ipomea quamoclit	Ipomoea quamoclit L. (white form)	Mhow	= Quamoclit pinnata. (Prain 1903), K. 1925, K. 1931, ? 1940.
5	Augst. 21 <sup>st</sup> 1896	Convolvulaceae	Un-identified species.	Probably Argyreia sp. (or possibly Ipomoea?)	Mhow	
6	Sept. 15 <sup>th</sup> 1896	Convolvulaceae	Ipomea hederaceae	Ipomoea nil (L.) Roth	Mhow	
7	Oct. 19 <sup>th</sup> 1896	Convolvulaceae	Ipomea phoenicea	Ipomoea hederifolia L.	Mhow	= Quamoclit phoenicea (Prain 1903)

Number	Date	Family Name	Scientific Name (VJ)	Scientific Name (Det. Slip)	Location	Notes (Condition, annotations, etc)
8	Novr. 7 <sup>th</sup> 1896	Convolvulaceae	Ipomea obscura	Ipomoea obscura (L.) Ker Gawl	Mhow	
9	May 22 <sup>nd</sup> 1897	Convolvulaceae	Convolvulus parviflorus	Convolvulus sp. (not C. parviflorus, = Jacquemontia p.)	Mhow	= C. paniculatus Haines (fede Haines)
10	Sept. 10 <sup>th</sup> 1897	Convolvulaceae	Lettsomia nervosa	[No det. slip]	Mhow	"Elephant Creeper" [= Argyreia speciosa]
11	Sept. 27 <sup>th</sup> 1897	Convolvulaceae	Ipomea quamoclit	Ipomoea quamoclit L. typical form	Mhow	= Quamoclit pinnata
12	Sept. 28 <sup>th</sup> 1897	Convolvulaceae	No name entered	Ipomoea sp. Insufficient detail to do better.	Mhow	
13	Oct. 1 <sup>st</sup> 1897	Convolvulaceae	Lettsomia setosa	Argyreia, poss . setosa (I don't know the Indian taxa at all well enough to hazard a guess).	Mhow	
14	Oct. 2 <sup>nd</sup> 1897	Convolvulaceae	Ipomea calycina	Ipomoea sinensis (Dest.) Choisy (part of a species complex for which the taxomony is muddled).	Mhow	
15	Oct 18 <sup>th</sup> 1897	Convolvulaceae	Convolvulus sphaerocephalus	Ipomoea eriocarpa R.Br.	Mhow	= Ipomoea hispida
16	Oct. 23 <sup>rd</sup> 1897	Convolvulaceae	Ipomea muricata	Ipomoea turbinata Lagasca	Mhow	= Calonyction muricatum (Haines , Prain 1903)
17	Jan. 7 <sup>th</sup> 1898	Convolvulaceae	Cuscuta reflexa	Cuscuta, perhaps reflexa	Mhow	
18	Jan. 17 <sup>th</sup> 1897	Convolvulaceae	Convolvulus arvensis	Convolvulus arvensis L.	Bercha	
19	Aug. 9 <sup>th</sup> 1898	Convolvulaceae	Lettsomia uniflora	Apparently Rivea hypocrateriformis (Desr. ex Lam.) Choisy but details lacking.	Indore	
20	Sept. 26 <sup>th</sup> 1899	Convolvulaceae	Convolvulus hirsutus	Merremia aegyptia (L.) Urban	Manpur	= Ipomoea hederacea
21	May 19 <sup>th</sup> 1900	Convolvulaceae	Convolvulus tricolor	Ipomoea purpurea (L.) Roth	Kasauli	

Number	Date	Family Name	Scientific Name (VJ)	Scientific Name (Det. Slip)	Location	Notes (Condition, annotations, etc)
22	June 3 <sup>rd</sup> 1900	Convolvulaceae	Convolvulus tricolor	Ipomoea purpurea (L.) Roth	Dagshai	
23	Aug 19 <sup>th</sup> 1900	Convolvulaceae	Ipomea purpurea	Ipomoea purpurea (L.) Roth	Dagshai	