Precious Ointment.
1hn ne i : in your hox of ofrotment, B2, it at cir your iriende to-day ;

Dha
II, id hatiotten, laid away.
Lith de du of love and kimineas,
Hent leng t to give them now; Dine thent to smouth the piltowLinit texset to lathe tho bruw.
Semi you llowers to the living, Whinu kerp them for the gravoThes may mimfort sono poor mourner, The they stongthen. help and savo Sewh the win tlie fragrant besuty Show sour fisendship true and warm; What whall carn a rosewool canket? Whet whit cart a rosowne care $n$ lifeless fon m
Ho art the re are vath burdens laden, Heart the re are
Bumg bravely will and earo; R dily to veceive vaur kindness Nhumbly you i your ointment thero. Dent torget the kindly counselDhent forget the loving tone; They will make the cross seem lighter To mone sorrow-laden one.
All along life's rugged pathway Stretch your hand and lift your voice, braging all your love amd kinduese, Mahing every licart rejoice.
Kup vour ointment ever reaiyUne at freely -there is roomIt will bring you richest blessings,
smooth your passage to the tomb.

-nsilected.

Giants and Dwarfs of Plant
Iv lsif, the inhabitunts of the country in the vicinity of Lyons, Fratce, awoko one morning to find that an unusual and remarkabie visitatow had apperared during the nigit.
Ther sun rose like a red ball, casting lurd rays aloft; the air seemed to be filled with a fine, impalpable dust; and as the day grew, the surface of the earth was seen to be covered with a fine, red powder. The roofs of hou", the grass, fences, animals, in fict everything was transformed in n siugle night.
At hearly the same time, vessels sailing one thousand miles from the coast of Africa had their decks, snils, and riyging covered in a similar way, causing the sailors to believo that some fearful disaster was at hand, as wherever water struck the decks the red powder or dust mixed with itseemingly turning to blood. A large number of vessels experienced the sane phenomenon, and from l..ier computation it was estimnted that the "blood tain" covered an area of more than a million square miles.
In the year 1755, a similar pheno menon appeared al Lake Maggiore, in Northe in Italy. For over two hundred square lengues the surface preselted a blood-red hue, whilo the snow upon the Alps assumed a similar colour, so that tho majestic poaks seened capped in vivid red.
The snow held this hue for a depth of nine feet, showing that the thakes had been coloured whilo in mid-air; while on the surface of the ground the colouring matter was about two inches deep, it being estimated that there was an amount equal to about two thousand soven hundred cubic feet for every Euglish mile.

Fur many craturies the blood-rains were a sume of terror, but finally a seinntist collered some of the powder, and, aided by mocioterpie matuination, found that it was made up of the remains of animols and plants-principally the later, which are known as dintoms,

Thיy were the dwaris of plant life, caught up in inconceivable nuinbers by the wind, and borno away through tho air to great heights miles above the earth, thete remaining suspended, perhaps for mondis or years, finally being precipitated to the surface.

The sed hue was owing to the presence of red oxide of iron. In one shower forty-nine ditferent species of plants wero found; in another, at Calabrin, sixty-four; and it has been estimated that, during the shower at Lyons above-mentioned, over seven hundred thousand pounds of organic matter fell to the carth, of which ninety thousand were parts of these minute plants that, under the microscope, present a beautiful appearance, owing to the wonderful diversity and structure of their forms.

In the far north wo find low, busilike plants creeping near the rocks as if for shelter, which, upon examination, aro found to to identical with the great trees farthor south, here reduced in size by the rigours of the Arctic winter. The Japanese delight in attempting improvements upon both animals and plants; and in the latter they have produced some remarkable results, one of the most striking cases over seen being an apple tree four inches high, covered with ripe apples, onch about as largo as a currant. Both leaves and fruit were parfect in shape, colour, and vigour, and ouly reduced in size.

Dwaris are not nlways produced by extremes of cold. Near Cape Negro, in Africn, on a plateau about six miles wide and three hundred miles long, is found a curious tree, named after its discoverer, Dr. Welwitsch. The diameter of the stem is about four feet, but the entire tree is only one foot high, presenting a curious appearance, especially as it possesses only two woody leaves, that have to last during its lifo, as no others appear.
These dwaris look like round tables scattered over the sandy plain, the two leaves, often six fect long, and broken up into ribbons, extending outward, and waving in the wind like signals of distress.

As unfavourable circumstances tend to produce diminutive plants, the reverse, in many cases, results in actual giants. In our common plants we have numerous examples, that, being Bamboos are gigantic grasses, and attain wonderful growths. Entungled together, they form a solid mass from which sometimes one hundred spears arse a foot in diameter, and one hundred and twenty feet in height.
Tho rattan grevs to a length Tho rattan grevs to a length of
twelve humdred feet, and tho short
period moduirel for it to attain matu rity is mot the least intropeting phase of its lifes. A hor-house banimo lases by actual measurement, been sern to grow one foot in twenty-four hours; and in the Chinese jungles they grow twice or thrice ay fost-or thren feet in a day.

The falms brought to this country give but litue idea of the beauty and grace of the largesi of these furms. A single leaf of the South American palm raphia measures one hundred feet in length and lifty in dianeter. In Ceylon tho leaves of the talipat palm are used in building houses; two of them are sufficient for a hut capable of sheltering fifteen or twenty persons.
In South America, many vines are found that are almost as large as trees. They are called liancs, und hang like huge suakes from the limbs, binding the forests together in an almost interminable maze.
In the streams of this same country are found the giants of the pond-lilies -upon one leaf of which thousunds of the blossoms of our common form could be placed. Tho leaf is buoyant enough to support several chiidren, and they are used by the natives ior vatious purposes.

It is, however, in tho isfiated continent of Australia that the most gigantic forms of plant lifo are seen. These are the famous gum trees (aucalyptus colossea), and an idea may be given of their extraordinary dimensions by imagining one standing by the side of the pyramid of Cheops.
The pyramid is four hundred and eighty feet high, and if surrounded by a group of the Australian giants, its top would be shaded by their branches, which would tower twenty feet above it, or five hundred feet from the ground.

A group of these monstors presents a most extraordinary spectacle. One of the first discovered was known as a kani encalyphes, and was found in a glen of the Warren River. The discoverers came upon it in riding through the wood. It was a fallen monarch of untold age, and completely hollow; and, without disnounting, the entire party rode into the gigantic trunk until tifteen or twenty were within it.

In the decp, dark recesses of the forest about Dandenong, another party cane upon an erect tree that was four hundred and twenty feet high. One on the Black Spur, near the town of Healesville, measures four hundred and eighty feet-forty-six feet higher than the loftiest spire of the Strasbourg Cathedral.
The wonderful giant trees, sequoia of our own country, while they do not equal the giants of Australia in size, exceed them in bulk and the general majesty of their appearance.
The number of the sequoia gigantea that may be considered giants is about two hundred, and thoy are found in seven distinct groves. One of the
fifty feet from the rook to the lic. -this specimen being at thes base nindy four fect in ciroumference; and to show nore clearly its majesty, at the grest height of threc hundred and fifty feet it is ten feet in diameter.
Yet all these mighty growths sprang from seeds so small that tifty thousand would not wergh a pound. The age of the largest is unknown. Eighteen hundied circles have been counted in some, but they are probably many thousands of years old.

Among the giant: remarkable for their shape, the bottlo trees of Australia claim our attention. At-one locality nine were found resembling huge battles frou a distance. They were not over seventy feet in height; their energies tending to an increase in another direction, as at t ${ }^{2} \mathrm{n}$ h height of a man's head from tha ground they were thirty-five feet in circumference.
Equally interesting is the African Baobab, that seems to reserable in full growth some gigantic animal sprawling over the ground like some of the fabulous monsters of old, and certainly the tree has some of the tenacity of life that constituted their attributes, as when great fires dovastate the country they are left seemingly unharmed, and even when cut down they continue to grow. One of these trees in Senegal is supposed to be four thousand years old.
In the same country is found the giant banyan-one tree alone, with its branches, encloses five acres of land, and has afforded protection from the sun to an army of difteen hundred men. One at Ceylon measures a quarter of a mile around its branches.
Another, at Mer-Budda, measures a circuit of two thousand two hundred feet, possesses three hundred and fifty. four large separate trunks, and over three thousand five hundred smaller ones-all connected to the ground in the form of pillars. The branches of this giant lave given protection to over seven thousand persons at one time.

The flowers of giant plants are not necessarily large, and the largest flower known has little or no plant to support it.

Dr. Beccari has discovered in Sumatra th giant of llowers, related to the little European wake robin. The tuber of this giant is tive feet in circumference, and the central spadix six feet in height. The diameter of the spathe alone is three feet, bell-shaped, with a crumpled adge richly tinted a pale greenisi: colour, fotining a strange contrast to the exterior, which is a bright, lark purple.

Almost as striking are the flowers of the climbing aristolochia of the South that are four feet across, the native children, in play, drawing them over their heads as caps.

If we ghould turn to the seer in search of giants we should find innumerable forms. The great macrocystis has leaves two hundred feet in length, with stems thicker than the human body.

These cables are sometimes used by vessels, one eud being hauled aboard -the veasel swinging to the plant. This species attains a length of seven hundred feet, and in other localities stems havo been measured twelve hundred feet long-truly giants of the sulmarine world.-C. $k^{\prime}$. Holder.

