

America; and its absence in the whole southern temperate zone of the Old World, except the Alps of Java.

Thalictrum, *Delphinium*, *Impatiens*, *Prunus*, *Circæa*, *Chrysosplenium*, *Parnassia*, *Bupleurum*, *Heracleum*, *Viburnum*, *Valeriana*, *Artemisia*, *Vaccinium*, *Rhododendron*, *Pedicularis*, and *Salix*, are all arctic genera found on the tropical mountains of Asia (Nilghiri, Ceylon, Java, etc.), but not yet in the south temperate zones of Asia, and very few of them in Temperate South Africa.

There are, however, a considerable number of Scandinavian plants which are not found in the Alps of Middle Europe, though found in the Caucasus, Himalaya, etc.; and conversely there are several Arctic Asiatic and American plants found in the Alps of Central Europe, but nowhere in Arctic Europe. In other words, certain species extend from Arctic America through Central Asia and North India to Central Europe, which do not extend from Arctic America westward to Arctic Europe; and there are certain other species which extend from Arctic Europe to the Caucasus and Central Asia, which do neither exist on the Alps of Central Europe nor extend eastward to Arctic America: thus,

Common to Arctic Europe and Temperate Asia, etc., but not to Alps of Europe.

<i>Ranunculus nivalis</i> .	<i>Cœnolophium Fischeri</i> .	<i>Eritrichium villosum</i> .
— <i>hyperboreus</i> .	<i>Conioselinum Fischeri</i> .	<i>Gymnandra borealis</i> .
<i>Trollius Asiaticus</i> .	<i>Ligusticum Scoticum</i> .	<i>Castilleja pallida</i> .
<i>Cardamine bellidifolia</i> ?	<i>Chærophyllum bulbosum</i> .	<i>Veronica macrostemon</i> .
<i>Parrya macrocarpa</i> .	<i>Cornus suecica</i> .	<i>Pedicularis Lapponica</i> .
— <i>arctica</i> .	<i>Galium triflorum</i> .	— <i>hirsuta</i> .
<i>Draba alpina</i> .	<i>Valeriana capitata</i> .	— <i>Sudetica</i> .
— <i>muricella</i> .	<i>Nardosmia frigida</i> .	<i>Pinguicula villosa</i> .
— <i>hirta</i> .	— <i>palmata</i> .	<i>Primula stricta</i> .
— <i>rupestris</i> .	<i>Chrysanthemum arcticum</i> .	— <i>Sibirica</i> .
<i>Eutrema Edwardsii</i> .	<i>Pyrethrum bipinnatum</i> .	<i>Koenigia Islandica</i> .
<i>Silene turgida</i> .	<i>Artemisia borealis</i> .	<i>Betula alpestris</i> .
<i>Lychnis apetala</i> .	<i>Antennaria alpina</i> .	<i>Salix lanata</i> .
<i>Sagina nivalis</i> .	<i>Senecio frigidus</i> .	— <i>polaris</i> .
<i>Arenaria lateriflora</i> .	<i>Ligularia Sibirica</i> .	<i>Picea orientalis</i> .
— <i>arctica</i> .	<i>Aster Sibiricus</i> .	<i>Larix Ledebourii</i> .
<i>Stellaria borealis</i> .	— <i>Tataricus</i> .	<i>Platanthera obtusata</i> .
— <i>humifusa</i> .	<i>Mulgedium Sibiricum</i> .	<i>Calypso borealis</i> .
— <i>longipes</i> .	<i>Campanula uniflora</i> .	<i>Spartanium natans</i> .
— <i>crassifolia</i> .	<i>Cassiopeia hypnoides</i> .	<i>Luzula arcuata</i> .
<i>Rubus arcticus</i> .	<i>Cassandra calyculata</i> .	<i>Juncus biglumis</i> .
— <i>chamæmorus</i> .	<i>Diapensia Lapponica</i> .	<i>Carex glareosa</i> .
<i>Rosa blanda</i> .	<i>Rhododendron Lapponicum</i> .	— <i>Norvegica</i> .
<i>Saxifraga rivularis</i> .	<i>Ledum palustre</i> .	— <i>festiva</i> .
— <i>nivalis</i> .	<i>Gentiana detonsa</i> .	— <i>loliacea</i> .
— <i>flagellaris</i> .	<i>Pleurogyne rotata</i> .	— <i>rariflora</i> .
— <i>bronchialis</i> .	<i>Myosotis sparsiflora</i> .	— <i>livida</i> .